



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 34] नई दिल्ली, शनिवार, अगस्त, 20, 1988 (श्रावण 29, 1910)
No. 34] NEW DELHI, SATURDAY, AUGUST 20, 1988 (SRAVANA 29, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 20th August 1988

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

Telegraphic address "PATENTOFIC".

1—207 GI/88

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Patent Office Branch,
61, Wallajah Road,
Mawras-600 002.

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M. S. O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

CORRIGENDUM

Name of the applicants in respect of accepted Specification No. 163103 is to be read as Chief Controller, Research & Development, Ministry of Defence, Government of India, New Delhi, an Indian National.

CORRIGENDUM

(1) In the Gazette of India, Part III, Section 2, dated 14th May, '88 under the heading 'Applications for patents filed in the Patent Office Branch, Bombay-400 013' on page No. 375 and 376.

(i) In respect of Patent Application No. 37/BOM/1988 in the title of invention for word MINUALIZATION read MINIMIZATION.

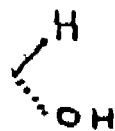


Fig. 15

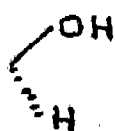


Fig. 16

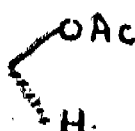


Fig. 17



Fig. 18



Fig. 19

(iv) In respect of Patent No. 162414 (95/BOM/85) In claim, in line 2 for CAN read VAN and in line 3 for INSULATING read INSULATION.

(v) In respect of Patent No. 162417 (174/BOM/1985) in claim, in line 3 for 150M²/Nickel read 150M²/nickel and for 450M²/g read 450M²/g.

(vi) In respect of Patent No. 162420 (98/BOM/86)—Indian Classification read as 27 C+F [XXVI(1)].

(3) In the Gazette of India, Part III, Section 2, dated 28th May, 1988 under the heading Complete Specification Accepted on page No. 432.

(i) In respect of Patent No. 162462 (287/BOM/85) in claim in line 5 read as VALVE PIN WHICH HOLDS CLEANING PIN, SAID VALVE PIN PROTRUDES.

(4) In the Gazette of India, Part III, Section 2, dated 4th June, 1988 under the heading Applications for Patents filed in the Patent Office Branch, Bombay-400 013 on page 485.

(i) In respect of Patent Application No. 88/BOM/1988 the name of applicant for KUNDA AJITKUMAR PATEL read as KUNDA AJITKUMAR PATIL.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 14th July 1988

591/Cal/88. Lanxide Technology Company, I.P. Process for preparing self-supporting bodies and products made thereby.

592/Cal/88. Signode System GmbH. A process and devices for sealing the gap space between an endmost gallery lining frame and the rock face when driving galleries.

The 15th July 1988

593/Cal/88. Shiba Pada Bhattacharjee and Paramita Bhattacharjee. Swing Check valves and footvalves (with built-in internal cushion).

(ii) In respect of Patent Application No. 40/BOM/1988 in the title of invention for word A. D. C. read as A D.C.

(2) In the Gazette of India, Part III, Section 2, dated 21st May, 1988 under the heading Applications for Patents filed in the Patent Office Branch, Bombay-400 013 on page 395 and under the heading Complete specification accepted on page No. 404, 405 and 406.

(i) In respect of patent Application No. 53/BOM/1988 Title read as ADAPTING A VARIABLE VENTURI—VARIABLE JET CARBURETTOR FORMATION ON SCOOTER.

(ii) In respect of Patent Application No. 66/BOM/1987 priority date of application for 16th MARCH, 1988 read as 16th MARCH, 1987.

(iii) In respect of Patent No. 162411 (346/BOM/84) in claim Fig. 15 to 19 read as

594/Cal/88. Schmidt+Clemens GmbH+Co. Roller for material to be transported.

595/Cal/88. Nukem GmbH. Method for re-using silicon base material of a metal insulator semiconductor (MIS) inversion-layer solar cell.

596/Cal/88. Nukem GmbH. Encapsulation of a photovoltaic element. (Convention date 30th July, 1987) West Germany.

597/Cal/88. American Cynamid Company. A method of textile finishing to improve wrinkle resistance of the fabric. [Divisional date 14th June, 1985].

598/Cal/88. Dipak Kumar Nandy. Multiple wick candle stove.

The 18th July 1988

599/Cal/88. Ethicon, Inc. Conformable, stretchable surgical wound closure tape.

600/Cal/88. Surgikos Inc. Antimicrobial medical glove.

The 19th July 1988

601/Cal/88. Smt. Bharati Chaudhuri and Sri Bansari Mohan Chawdhuri. Improvement in or relating to a composite mini rice mill.

602/Cal/88. B. V. Optische Industrie "De Oude Delft". Device for slit radiography.

603/Cal/88. Betz International, Inc. Method or protecting structural parts of system, exposed to aqueous medium from corrosion and/or scale formation. (Convention date 2nd October, 1984) Canada. [Divisional date 12th July, 1987].

604/Cal/88. Hoechst Aktiengesellschaft. Water-soluble phthalocyanine compounds, preparation thereof and use thereof as dyes.

605/Cal/88. Fiziko-Energetichesky Institut Akademi Nauk Latvinskoi ssr. Device for measuring thickness of metal coating.

606/Cal/88. Westinghouse Electric Corporation. Improvements in or relating to insulating ferromagnetic amorphous metal continuous strip.

The 20th July 1988

607/Ca/88. Etat Francais. Improvements in auxiliary combustion chambers for supercharged internal combustion engines and internal combustion engines equipped with such a chamber.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI.

The 27th June 1988

545/Del/88. Radha Kishan Gupta, "Developed telephone device".

546/Del/88. Satish Chandra Bisarya & Mrs. Rama Rao, "A process for the reduction of salicylic acid in aspirin".

547/Del/88. BP Chemicals Ltd., "Novel carbamates, their production and their use as fuels additives". (Convention date 25th June, 1987) (U. K.).

548/Del/88. Council of Scientific & Industrial Research, "A process for the preparation of amebocyte lysate equivalent to lal (Limulus amebocyte lysate) from carcinoscorpius rotundicauda (Indian horse shoe crab) useful for the detection of pyrogen (Endotoxin of gram negative bacterial) in vitro".

The 28th June 1988

549/Del/88. Council of Scientific and Industrial Research, "A stereo selective process of preparation of α ethylether of dehydroartemisinin (α arteether)".

The 29th June 1988

550/Del/88. Union Rheinische Braunkohlen Kraftstoff AG., "Fuels based on alcohols". [Divisional date 29th October, 85].

551/Del/88. The Lubrizol Corporation, "Aliphatic hydrocarbons substituted aromatic hydrocarbons to control black sludge in lubricants".

552/Del/88. Norsk Hydro A. S., "Polyvinyl chloride compound and a method of manufacturing said compound".

553/Del/88. The Procter and Gamble Co., "Curable amine functional silicon of fabric wrinkle reduction".

The 30th June 1988

554/Del/88. Aqua Pura Technologies Inc., "Process and apparatus for treating waste water". (Convention date 30th June, 1987) (Canada).

555/Del/88. Warner-Lambert Co., "Deconstructured starch essentially containing no bridged phosphate groups and process for making same". (Convention date 7th July, 87) (U.K.).

556/Del/88. BP Chemicals Ltd., "Fluidized bed apparatus and process for feeding gas to a fluidized bed". (Convention date 30th June, 1987) (U.K.).

The 1st July 1988

557/Del/88. National Information Technologies Ltd., "An improved telex system".

558/Del/88. Sir Padampat Research Centre, "An improved process for the production of 5-sulfoisophthalic acid dimethyl ester mono alkali metal salt".

559/Del/88. Oil & Natural Gas Commission, "A chrome-free ligno-sulphonate product and technique of its preparation".

560/Del/88. Heinz Kaiser AG., "Boring attachment".

561/Del/88. Morgan Construction Co., "Sleeve mounting and removal tool".

562/Del/88. La Telemecanique Electrique, "Thermal relay".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

The 4th July 1988

458/Mas/88. M. J. Thomas. Coconut bunches supporter.

459/Mas/88. Ignifluid Boilers India Limited. Process and installation for combustion of wet combustibles mainly composed of fine particles especially lignite and agricultural refuse in fluidised beds.

460/Mas/88. Regulin Limited. Method for regulating animal reproduction. (July 3, 1987; Australia).

461/Mas/88. Minnesota Mining and Manufacturing Company. Wiring Harness.

The 5th July 1988

462/Mas/88. Henkel Kommanditgesellschaft auf Aktien. A process for the production of ether carboxylic acids.

463/Mas/88. Union Explosives Rio Tinto. Process for the manufacture of diammonium phosphate with pipe reactor by neutralization in one step.

464/Mas/88. Manifattura Cincla S.r.l. Device for driving the gripper bearing belts or rods in textile looms.

465/Mas/88. Jacques Verlier. Prefilled syringe.

466/Mas/88. Gunnar Stromberg. Arrangement for a closeable cargo holder of the container type.

467/Mas/88. Indian Space Research Organisation. A process for chromate coatings on magnesium-lithium alloys.

468/Mas/88. Indian Space Research Organisation. A process for gold plating on manesium-lithium alloys.

The 6th July 1988

469/Mas/88. MRF Limited. A novel apparatus for post-cure inflation of tyres.

470/Mas/88. MRF Limited. An apparatus for plunger testing of tyres.

471/Mas/88. Union Carbide Corporation. Process for the production of impact polypropylene copolymers.

472/Mas/88. Thery Georges. A combustion chamber for a two-stroke reciprocating engine, and an engine making use thereof.

473/Mas/88. Hoechst Aktiengesellschaft. A process for the preparation of colorants and/or active compounds in a sterile fluidized bed of low water content.

474/Mas/88. International Thermal Packaging Inc. Temperature changing device exhibiting improved evaporation characteristics.

The 7th July 1988

475/Mas/88. Powamate Limited. Microwave cooking apparatus

476/Mas/88. Powamate Limited. Solar power fan system.

477/Mas/88. Maschinenfabrik Rieter AG. A method of and apparatus for false-twist spinning.

478/Mas/88. Atochem. Synthesis of perfluoroalkyl bromides.

479/Mas/88. Metal Box p.l.c. Improvements in and relating to packaging. (July 27, 1987; Great Britain).

The 8th July 1988

480/Mas/88. Chimica Del Friuli S.p.A. Process for purifying caprolactam.

481/Mas/88. British Aerospace Public Limited Company. Improvements to comparator circuits. (July 9, 1987; United Kingdom).

482/Mas/88. John Reginald Newton. Moulding method. (July 10, 1987; United Kingdom).

483/Mas/88. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A control device for driving and stopping an open-end spinning unit.

484/Mas/88. John H. Blakemore. Infinitely variable positive mechanical transmission.

ALTERATION OF DATE

163154.

(1021/Mas/84).

Ante dated to 14th April, 1982.

163162.

(114/Del/85).

Ante dated to 7th September, 1981.

163168

(370/Del/85).

Ante dated to 7th September, 1981.

163193.

(729/Cal/84).

Ante dated to 16th July, 1981.

163221.

800/Del/84).

Ante dated to 7th December, 1982.

COMPLETE SPECIFICATION ACCEPTED

(See page 810)

OPPOSITION PROCEEDINGS

(1)

An Opposition as entered into by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan to the grant of a Patent on the application No. 157827 as notified in the Gazette of India, Part III, Section 2 dated the 24th January, 1987 has been successful as the application is treated as abandoned.

(2)

An Opposition as entered into by M/s. Piaggio and CSPA Italy to the grant of Patent on the application No. 157827 as notified in the Gazette of India, Part III, Section 2 dated 24th January, 1987 has been successful as the application is treated as abandoned.

(3)

"In pursuance of the proceedings under section 27 of the Patents Act, 1970 grant of Patent Application No. 604/Del/79 (153000) dated 27th August, 1979, has been refused vide Controller's orders in his decision dated the 19th January, 1987."

(4)

An Opposition has been entered by Messrs Sandvik AB, Sweden on Application No. 161768 made by Messrs Widia (India) Ltd., Bangalore.

(5)

An Opposition has been entered by Chloride Group Public Limited Co. to the grant of a Patent Application No. 161811 made by Hagen Batterie AG.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by ALCATEL N.V. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 161792 in their name has been allowed.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

(1)

156651 156652 156653 156654 156655 156656 156657
156658 156659 156660.

(2)

156661 156662 156663 156664 156665 156666 156667
156668 156669 156670 156671 156672 156673 156674
156675 156676 156677 156678 156679 156680 156681
156682 156683 156684 156685 156686 156687 156688
156689 156690.

(3)

156691 156692 156693 156694 156695 156696 156697
156698 156699 156700 156701 156702 156703 156704
156705 156706 156707 156708 156709 156710 156711
156712 156713 156714 156715 156716 156717 156718
156719 156720 156721 156722 156723 156724 156725
156726 156727 156728.

(4)

156729 156730 156731 156732 156733 156734 156735
156736 156737 156738 156739 156740 156741 156742
156743 156744 156745 156746 156747 156748 156750
156751 156752 156753 156754 156755 156756 156757
156758 156759 156760 156761 156762 156763.

PATENTS SFALED

153804 154854 155025 156268 157234 159538 159791
159898 159961 159973 159987 160122 160123 160146
160149 160170 160171 160225 160264 160313 160314
160315 160316 160318 160319 160321 160341 160342
160343 160344 160346 160350 160370 160372 160373
160374 160378 160404 160407 160448 160454 160458
160464 160468 160474 160529 160574 160698 160793
160818 160821 160827 160833 160840 160860 160864
160895 160896 160912 160913 160914 160915 160916
160917 160924 160926 160928 160933 160941 160950
160958 160959 160961 160965 160966 160968 160969
160975 160977 160982 160986 160987 160990 160991
160992 160993 160995 160997 161000 161108 161128
161129 161130 161131 161132 161133 161136 161138
161153 161154 161155 161156 161157 161163 161164
161165 161166 161265 161434 161535.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Remsons Industries Limited 88B, Government Industrial Estate, Kandivali (West), Bombay-400067, state of Maharashtra, India, have made an application under section 57 of the Patents Act, 1970 for the change of name of the applicant from Remsons Cables Private Limited, to Remson Industries Limited in the application and Complete specification for Patent No. 162179 (266/LM/1985) for "A temper-proof locking device adapted to be incorporated in a shield or cover to an enclosure housing a protectable subject." The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estate, 3rd Floor, Sunmill Compound, Lower Parel (West), Bombay-400013, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendments may file the notice of opposition on the prescribed form-30 alongwith full written statement within three months from the date of this notification at the Patent Office Branch, Bombay.

If the full written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice of opposition.

(2)

Notice is hereby given that Rubber and Plastics Research Association of Great Britain, a British Company of Shawbury, Shrewsbury, Shropshire, SY 44 NR, England has/have made an application on form-29 under section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. (162621) 235/Del/82 for Extruder Mixer. The amendments are by way of Correction to reflect their new name. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that the messrs Unie Van Kunststest-fabrieken B. V., a Dutch Company of Maliebaan 81, 3581 OG Utrecht, the Netherlands, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 162235 for "PROCESS FOR THE PREPARATION OF GRANULES". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the Application for amendment may file a Notice of opposition on prescribed Form-30 within 3 months from the date of this Notification at the Patent Office, Madras. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(4)

Notice is hereby given that BBC BROWN, BOVERI & COMPANY LIMITED, CH-5401, Baden, Switzerland, have made an Application under Section 57 of the Patents Act, 1970 for amendment of the Application, Specification and Drawings of their Patent Application No. 162393 for "BUTTERFLY VALVE ASSEMBLY WITH WOICK CLOSING SERVO MOTOR MEANS." The amendments are by way of correction. The Application for amendment and proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the Application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras. If Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(5)

Notice is hereby given that BBC BROWN, BOVERI & COMPANY LIMITED of CH-5401, Switzerland, have made an Application under Section 57 of the Patents Act, 1970, for amendment of the Application, Specification and Drawings of their Patent Application No. 162474 for "A HIGH-VOLTAGE CIRCUIT BREAKER HAVING TWO COAXIAL CONTACT MEMBERS". The amendments are by way of correction. The Application for amendment and proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the Application for amendment may file a Notice of Opposition on

prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras. If Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

RENEWAL FEES PAID

141387	141923	142166	142891	143072	143434	143746
144095	144134	144516	144517	144561	144604	144681
144841	145225	145701	146008	146826	147085	147394
147540	147550	147568	147570	147753	148139	148221
148704	149157	149174	149216	149595	149711	149816
149914	149933	150056	150109	150110	150123	150386
150661	150992	151019	151286	151290	151359	151397
151422	151585	151724	151891	151919	151950	152042
152050	152254	152324	152380	152437	152566	152655
152681	152708	152798	152819	152905	152932	153194
153468	153584	153619	153669	153720	154122	154187
154276	154795	154797	154880	154903	154912	154913
155060	155079	155084	155261	155262	155263	155277
155290	155328	155822	155957	156141	156146	156186
156293	156352	156435	156491	156498	156516	156726
156821	156900	157152	157191	157196	157239	157288
157289	157308	157358	157359	157415	157458	157462
157494	157515	157552	157589	157667	157684	157871
158050	158194	158209	158301	158304	158318	158339
158341	158362	158378	158381	158417	158418	158493
158495	158543	158549	159381	159915	159916	159917
159984	160052	160080	160112	160222	160223	160699
160719	160803	160871	160929	160981		

CESSATION OF PATENTS

141843	141844	141845	141846	141847	141849	141851
141852	141854	141864	141865	141866	141867	141868
141870	141874	141876	141877	141878	141879	141880
141882	141885	141886	141887	141888	141891	141893
141896	141898	141907	141908	141909	141911	141913
141915	141916	141918	141921	141924	141928	141931
141932	141933	141934	141935	141936	141937	141940

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 156188 dated the 18-11-81 made by Burrough Corporation on the 8-6-87 and notified in the Gazette of India, Part III, Section 2 dated the 31-10-87 has been allowed and the said Patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 143656 dated the 20-5-75 made by Bharat Heavy Electricals Limited on the 18-5-87 and notified in the Gazette of India, Part III, Section 2 dated the 10-10-87 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158138 granted to Shourie Copieurs Private Limited for an invention relating to "a developer for use in an electrolastic photocopying apparatus".

The patent ceased on the 20-1-88 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150492 granted to Preformed Line Products Company for an invention relating to "splice case with gasket and Closure mechanism therefor".

The Patent ceased on 2-6-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151122 granted to Clayton Dewandre Company Limited for an invention relating to "a protection valve for fluid operated systems".

The patent ceased on 25-4-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 145311 granted to Preformed Line Products Company for an invention relating to "moisture proof cable splice enclosure".

The patent ceased on 31-8-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 145137 granted to Preformed Line Products Company for an invention relating to "a device for maintaining a predetermined minimum spacing between electrical transmission cables and damping vibrations on these cables".

The patent ceased on 30-4-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149941 granted to Preformed Line Products Company for an invention relating to "Contraction termination device for electric cables".

The patent ceased on 2-6-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 145244 granted to Preformed Line Products Company for an invention relating to "a method for installing a shield Connector in a cable having electrical conductors".

The patent ceased on 8-6-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 144609 granted to Preformed Line Products Company for an invention relating to "Cable suspension assembly".

The patent ceased on 24-5-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143418 granted to Preformed Line Products Company for an invention relating to "an appliance for maintaining linear bodies in spaced relationship".

The patent ceased on 9-4-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(12)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156013 granted to Preformed Line Products Company for an invention relating to "a bending strain relief Assembly".

The patent ceased on 17-4-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated 11-6-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 20th October, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 158824. Balwant Singh Ghatore, an Indian National whose address is Majestic Road, Moga-142001 (Punjab State) (India). "Potato Planter". 18th September, 1987.

Class 1. No. 159255. Sudarshan Traders, (a registered Partnership firm) of 28-A, Budhwar Peth, Ambar Chambers, Pune-411 002, State of Maharashtra, India. "Drafter". 12th January, 1988.

Class 1. No. 159383. N. V. Philips' Gloeilampenfabrieken, a Company organised and existing under the laws of the kingdom of The Netherlands, of Greonewoudseweg 1, Eindhoven, The Netherlands. "a Floodlight". 9th February, 1988.

Class 1. No. 159417. Cony Bands Private Limited, a Company incorporated under the Companies Act, having its registered office at 201, 3rd Cross Cambridge Layout, Ulsoor, Bangalore-560 008, in the State of Karnataka within the Union of India. "Watch Strap". 23rd February, 1988.

Class 1. No. 159501. Mansukhbhai Mohanbhai Sagpariya, an Indian residing at "Harda Bhuvan", 7-Manhar Plot, Rajkot-360001 (Gujarat) India "Foot Valve". 18th March, 1988.

Class 1. Nos. 159544 & 159544. Kishco Cutlery Limited, (a company incorporated under the Indian Companies Act) of 'NIRMAL' 3rd floor, 241 Backbay Reclamation, Nariman Point, Bombay-400 021, State of Maharashtra, India. "Spoon". 29th March, 1988.

Class 1. No. 159552. Eagle Flask Private Limited, (a company incorporated under the Provisions of Indian Companies Act) at Eagle Estate, Talegaon-410 507, District-Pune, Maharashtra State, India. "T R A Y". 29th March, 1988.

Class 1. No. 159627. U Son Traders, 9063 Ram Bagh, Old Rohtak Road, Delhi-110007, India, an Indian Partnership Firm. "Carbonator". 26th April, 1988.

Class 1. No. 159628. U Son Traders, 9063 Ram Bagh, Old Rohtak Road, Delhi-110007, India, an Indian Partnership Firm. "Carbondioxide gas cylinder stand". 26th April, 1988.

Class 1. No. 159767. U Son Traders, 9063 Ram Bagh, Old Rohtak Road, Delhi-110007, India, an Indian Partnership Firm. "Carbonator". 1st June, 1988.

Class 3. No. 159276. Tokai Corporation of 2181-7 Enoki-yade, Kita-bassaku-cho, Mideri-ku, Yokohama, Kanagawa-ken JAPAN, a Japanese Corporation. "Lighter". 14th January, 1988.

Class 3. Nos. 159397 & 159398. Electronics Consortium Private Limited (an Indian Company) at 5A/1, 2, 3, Ansari Road, Darya Gani, New Delhi-110 002, India. "Television Cabinet". 16th February, 1988.

Class 3. No. 159404. Duralium Corporation (India) a registered Partnership firm of G-89 Sarvodaya-nagar, 1st Panjarapole Lane, Bombay-400 004, State of Maharashtra, India. "TRAY". 18th February, 1988.

Class 3. No. 159405. Anup V. Shah, C-3, Bindu Bldg., Tilak Road, Santacruz (West), Bombay-400 054, Maharashtra State, India, Nationality Indian. "Pencil-Holding Practicer". 19th February, 1988.

Class 3. Nos. 159440 & 159441. Bajaj Auto Limited, Akurdi, Pune-411 035, Maharashtra, India, an Indian Company. "SCOOTER". 29th February, 1988.

Class 3. No. 159459. Samsonite Corporation, a corporation organised under the laws of the State of Delaware, United States of America of 11200 East 45th Avenue, Denver, Colorado 80239, United States of America. a "Luggage Case". 7th March, 1988.

Class 3. No. 159469. Peico Electronics & Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400010, Maharashtra, India, an Indian Company. "a Two Band Portable Radio". 9th March, 1988.

Class 3. Nos. 159470 to 159472. Peico Electronics & Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400010, Maharashtra, India, an Indian Company. a "Mono Radio Recorder". 9th March, 1988.

Class 3. No. 159493. Indian Cosmetics, 35J, Raja Naba Kissen Street, Calcutta-700 005, West Bengal, India, an Indian Proprietorship concern. "Container". 14th March, 1988.

Class 3. No. 159516. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "a sole". 14th March, 1988.

Class 3. No. 159542. Ramesh Kumar trading as Diagnostix India, C-3/13 Rana Pratap Bagh, Delhi-110007, India, an Indian National of the above address. "A Painless Automatic Blood letting device". 29th March, 1988.

- Class 3. 159551. Eagle Flask Private Limited, (a company incorporated under the Provisions of Indian Companies Act) at Eagle Estate, Talegaon-410 507, District Pune, State of Maharashtra, India. "Container". 29th March, 1988.
- Class 3. No. 159626. U Son Traders, 9063 Ram Bagh, Old Rohtak Road, Delhi-110007, India, an Indian Partnership Firm. "Bottle cap". 26th April, 1988.
- Class 3. No. 159749. U Son Traders, 9063 Ram Bagh, Old Rohtak Road, Delhi-110007, India, an Indian Partnership Firm. "Top Body Assembly of Carbonator". 26th May, 1988.
- Class 10. No. 159488. Kamps Footwear, 19/8 Khatena Road, Lohamandi, Agra (Uttar Pradesh) (India) an Indian Partnership Firm. "Sole for footwear". 11th March, 1988.
- Class 10. No. 159494. Soham Prakash Agarwal (Indian) trading as Zebra Enterprises B, 12/146, Nunhai, Agra (Uttar Pradesh) (India) Manufacturers & Merchants of Soles for footwear). 16th March, 1988.
- Class 12. No. 159507. Delux Biscuit Products, C-11/2, Lawrence Road, Industrial Area, Delhi-110035. "Biscuit". 22nd March, 1988.

Extn. of Copyright for the Second period of five years.

- Nos. 152746, 157821, 157820, 157819, 158697, 153158, 153203, 150988, 151264. Class-1.
- Nos. 157790, 157788, 157783, 157793, 158038, 158039, 157917, 157792, 157791, 153322, 153323, 153157, 153159, 153206, 153274, 151239, 151272, 151273, 151292 Class-3.
- Nos. 158250, 153432, 152976 Class-5.

Extn. of Copyright for the Third period of five years.

- Nos. 157821, 157820, 157819 Class-1.
- Nos. 158038, 158039, 157917, 157792, 157791, 153274, 150641. Class-3.
- Nos. 158250, 153432, 152976. Class-5.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 163151
Int. Cl. : F 16 C 33/10.

BEARING LUBRICATION DEVICE FOR USE IN RING OILED ARRANGEMENTS HAVING A ROTATABLE SHAFT AND A BEARING SHAFT.

Applicant : RELIANCE ELECTRIC COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS AT P. O. BOX 499, GREENVILLE, SOUTH CAROLINA 29602, UNITED STATES OF AMERICA.

Inventor : HOOSHANG HESHMAT.

Application No. 936/Mas/84 filed November 30, 1984.

Convention date September 10, 1984. (No. 209493 New-zealand).

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A bearing lubrication device for use in ring-oiled arrangements having a rotatable shaft, a bearing surface and a lubricant reservoir, said device having a generally circular ring member serving as a lubricant conduit disposed around the shaft for rotation therewith and for carrying lubricant from the reservoir for deposition on the shaft and the bearing surface, and means for separating the lubricant from said ring member comprising a cantilevered leaf member having a wedge-shaped configuration with a narrow free end, and a wide fixed end secured to the bearing structure, the arrangement being such as to facilitate the transfer of the lubricant from the ring member to the shaft surface as said ring member is rotated by said shaft.

Compl. Specn. 18 pages.

Drgs. 6 sheets.

CLASS : 163152
Int. Cl. : E 21 B 23/06.

"A HIGH DENSITY ELECTRONIC CIRCUITRY PACKAGING STRUCTURE ADAPTED FOR USE IN THE HOSTILE OPERATING ENVIRONMENT OF BORE-HOLE".

Applicant : SCHLUMBERGER TECHNOLOGY CORPORATION, A CORPORATION OF TEXAS, OF 5000 GULF FREEWAY HOUSTON, TEXAS 77023, U. S. A.

Inventor : STANLEY SHARP.

Application No. 945/Mas/84 filed December 3, 1984.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Madras Branch.

13 Claims

A high density electronic circuitry packaging structure adapted for use in the hostile operating environment of a borehole comprising :

a protective housing;

an elongated chassis with a cross-section having a central core and at least three outwardly extending radial arms spaced about the core;

means for rigidly mounting at least three electronic circuit boards to the chassis along at least one section length of the chassis, said mounting means adapted to connect each circuit board to two adjacent radial arms in a longitudinal plane perpendicular to the cross-section; and

resilient support means interposed between said chassis and said housing for mounting the chassis within the housing in physical isolation from said housing.

Compl. Specn. 25 pages.

Drgs. 5 sheets.

CLASS : 163153

Int. Cl. : B 23 Q 1/08.

WORK SPINDLE DEVICE.

Applicant : HINDA GIKEN KOGYO KABUSHIKI KAISHA, OF 27-8 JINGUMAE 6-4 HOME, SHIBUYA-KU, TOKYO, JAPAN.

Inventors : (1) MATSUHITO FUKUSHIMA, (2) HITOSHI KAIKU, (3) YOSHINORI OYOBKI

Application No. 967/Mas/84 filed December 7, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A work spindle device for a machine tool, comprising :

a rotor having a central hollow and a pair of taper holes each having an axis aligned with an axis of rotation of said rotor;

means for supporting said rotor rotatably and driving said rotor;

a clamp member having a pair of collets on respective ends thereof and a central axial through hole for insertion of a workpiece therein, each of said collets being fittable in one of said taper holes;

spring means for normally urging said collets and said taper holes to fit respectively with each other so as to clamp the workpiece in said rotor; and

means for releasing fitting engagement between said collets and said taper holes to unclamp the workpiece from said rotor.

Compl. Specn. 22 pages.

Drgs. 6 sheets.

CLASS : 163154

Int. Cl. : H 01 H 33/48.

DRAWER-TYPE CIRCUIT BREAKER WITH IMPROVED LATCH MEANS.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, A JAPANESE COMPANY, OF NO. 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) TAKAYOSHI ISHIKAWA, (2) YASUSHI GENBA, (3) SHIGEMI TAMARU, (4) KIYOSHI EGUCHI.

Application No. 1021/Mas/84 filed December 20, 1984.

Divisional to 156473 (412/Cal/82) (Ante-dated to April 14, 1982).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A drawer-type circuit breaker comprising a housing means (14) circuit breaker means (12) being movably supported by roller means (13a, 13b) within said housing means (14), extendable support rail means (16) on said housing means (14) for supporting said circuit breaker means (12) by means of said roller means (13a, 13b) and latch means (17) for initially preventing extension of said support rail means (16) when said circuit breaker means (12) is in a first position within said housing means (14), wherein said roller means (13a, 13b) are provided on said circuit breaker means (12), and said latch means (17) is pivotally mounted on said housing means (14) for engagement with said roller means (13a, 13b) and said support rail means (16) and operable by said roller means (16) upon movement of said circuit breaker means (12) to a second position within said housing means (14) to prevent further outward movement of said circuit breaker means (12) until said support rail means (16) are fully extended.

(13, 13b) upon movement of said circuit breaker means (12) to a second position within said housing means (14) to prevent further outward movement of said circuit breaker means (12) until said support rail means (16) are fully extended.

Compl. Specn. 13 pages.

Drgs. 6 sheets

CLASS : 163155

Int. Cl. : C 23 D 5/00.

A METHOD OF MAKING A METAL SUBSTRATE HAVING A VITREOUS ENAMEL COATING.

Applicant : TI CORPORATE SERVICES LIMITED, A BRITISH COMPANY, OF 50 CURZON STREET, LONDON W1Y 7PN, GREAT BRITAIN.

Inventors : (1) JOHN LEWIS CLAUD MUMFORD, (2) ROGER FRANK PRICE.

Application No. 1022/Mas/84 filed December 20, 1984.

Convention dated : December 21, 1983. (No. 8334118 United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A method of making a metal substrate having a vitreous enamel coating, which comprises applying to the substrate at least one coating of a powdered metal containing vitreous enamel frit, and fusing the vitreous frit onto the surface of the substrate by firing the coated substrate in a furnace, wherein the water content of the powdered vitreous enamel frit applied to the substrate is up to but not exceeding 0.03% by weight, and powdered metal such as herein defined is present in the powdered vitreous enamel frit in an amount of up to 60% by weight and wherein, during fusion of the frit onto the surface of the substrate, the dew point of the furnace atmosphere is controlled and kept to not exceeding 10°C.

Compl. Specn. 35 pages.

Drgs. 6 sheets.

CLASS : 163156

Int. Cl. : F 04 B 1/12; 49/00.

A REFRIGERANT COMPRESSOR WITH MECHANISM FOR ADJUSTING THE CAPACITY THEREOF.

Applicant : SANDEN CORPORATION, OF 20 KOTOBUKICHO, ISFSAKI-SHI, GUNMA-KEN, JAPAN, A JAPANESE COMPANY.

Inventors : (1) MASAHARU HIRAGA, (2) TAMOTSU DAIKOHARA.

Application No. 1036/Mas/84 filed December 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A refrigerant compressor comprising a compressor housing having a cylinder block, said cylinder block being provided with a plurality of cylinders, a plurality of pistons slidably fitted within each of the said cylinders, a front end plate mounted on said housing to define a crank chamber within said compressor housing between said cylinder block and said end plate, an input drive shaft means rotatably supported in said front end plate through bearing means and having an inner portion extending within said crank chamber, input rotor means mounted

on said inner portion of said input drive shaft means and having an axial end surface as a driving surface with a slant angle relative to a normal surface to a central axis of said input rotor shaft means, wobble plate means disposed on said driving surface of said input rotor means so as to effect nutational motion by rotation of said input rotor means, said wobble plate means being connected to said cylinders by the nutational motion of said wobble plate means, a reciprocating stroke of each piston being defined by said slant angle, and a rear end plate mounted on the opposite end of said compressor housing, said rear end plate having a suction chamber and a discharge chamber operatively connected with said cylinders, wherein said input rotor means being formed to be movable so that said slant angle of said driving surface is variable within a predetermined angular range, a communicating passageway for communicating between said suction chamber and said crank chamber and valve means for selectively opening and closing said communicating passageway so as to control inner pressure within said crank chamber to thereby control said slant angle.

Compl. Specn. 16 pages.

Drg. 1 sheet.

CLASS :

163157

Int. Cl.⁴ : G 01 V 1/40.

DEVICE FOR GENERATING SOUND PULSES INSIDE A WELL, BY PERCUSSION.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE OF 4, AVENUE DE BOIS-PREAU, 92502, RUEILMALMAISON, FRANCE.

Inventors : (1) PASCAL DEDOLE, (2) PIERRE GROLET, (3) JEAN LAURENT.

Application No. 36/Mas/85 filed January 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A device for generating sound waves in a well or a cavity, by means of a mass striking a target element mechanically coupled to the wall of the well or of the cavity, comprising a rigid elongate body having a cross section less than that of the well and connected by a cable to a surface installation, said rigid body comprising two coaxial chambers isolated from each other by means of a fixed intermediate piece, a first one of the two chambers comprising an opening at its end opposite the intermediate piece and the second one of the two chambers comprising two parts of unequal cross sections, a mobile mass adapted for sealingly sliding inside the first chamber between a first position towards the opened end thereof and a second position in contact with said intermediate piece, said mobile mass being integral with a valve provided with a inner recess and adapted for moving in said second chamber and for coming to bear against a seat formed in the intermediate piece in the first position of said mobile mass, an operating piston comprising two parts of cross sections respectively adapted to cross sections of said two chambers and adapted for sealingly sliding in said two chambers, on the side of the valve opposite said intermediate piece and whose stroke is greater than that of said mobile mass between its first and its second positions, the part of the piston having the largest cross section being adapted to come into abutment against the valve and to drive the same in translation, said body also comprising a cavity isolated from the environment outside the rigid body and communicating with the first chamber through said opening, which cavity comprising means for exerting on the mobile mass a drive force independent of the static pressure reigning in the well, the device including also means for immobilizing said body in the well comprising at least one longitudinal shoe movable between

a retracted position along said body and a spread out position coupling with the wall of the well, under the action of at least one hydraulic jack and a hydraulic system for providing both movement of the mobile mass towards its first position, intermittent maintenance thereof in its first position an operation of said hydraulic cylinder, and wherein said hydraulic system comprises a pressure source, ducts associated with first switching means for placing the end of the part of said second chamber having the smallest cross section in communication either with said pressure source or with the opposite part of the same chamber, ducts associated with second switching means for placing said inner recess of the valve in communication with the inside of said second chamber or with a reservoir containing a fluid at a pressure very much less than that reigning in said second chamber, when said valve is engaged on its seat, and ducts associated with third switching means for placing each of the opposite endmost parts of the body of said hydraulic jack intermittently in communications with said pressure source.

Compl. Specn. 18 pages.

Drgs. 5 sheets.

CLASS :

163158

Int. Cl.⁴ : C 07 C 93/00.

A PROCESS FOR PREPARING A POLYHYDRIC PHENOL ETHER OF MEXAALKYLOLMELAMINE.

Applicant : THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND MICHIGAN 48640, U. S. A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE.

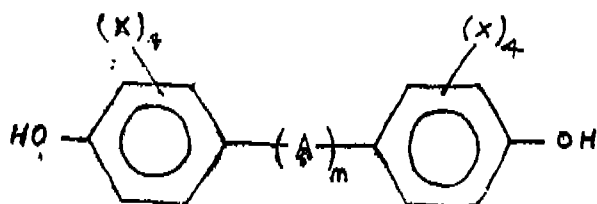
Inventors : (1) DIETER H. KLEIN AND (2) RAYMOND KOENIG.

Application No. 86/Mas/85 filed January 31, 1985.

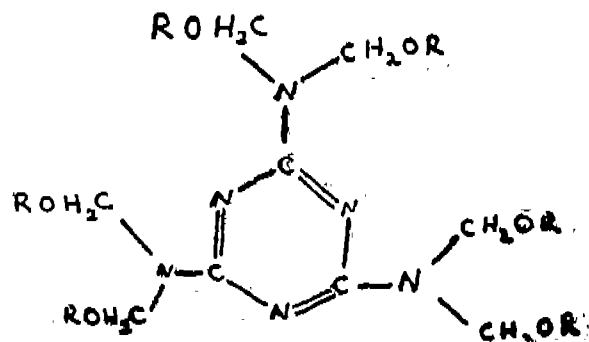
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A process for preparing a polyhydric phenol ether of hexaalkylolmelamine comprising by reacting hexaalkyl ether of hexamethylolmelamine of Formula II of :



1



the accompanying drawing with a polyhydric phenol and optionally with a monohydric phenol the reaction being carried out in the presence of a known acids catalyst and an organic liquid diluent, the phenol and the hexamethylolmelamine being used in amounts such that the ratio of phenolic OH groups to alkoxy groups is less than 2.8 : 1.

The poly functional phenolic reaction products of the invention are used as curing agents for epoxy resins. The products are particularly suitable for use in varnish compositions for the production of electric laminates.

Compl. Specn. 29 pages.

Drg. 1 sheet.

CLASS :

163159

Int. Cl.⁴ : B 01 D 46/10.

A GAS FILTER CARTRIDGE.

Applicant : W. L. GORE & ASSOCIATES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA; OF 555 PAPER MILL ROAD, P. D. BOX 9329, NEW YORK, DELAWARE 19714, UNITED STATES OF AMERICA.

Inventors : (1) JAMES LEONARD MANNISO, (2) EUGENE WILLIAM STEBER, (3) GLENN RONALD VOSHILL.

Application No. 66/Mas/85 filed January 25 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A gas filter cartridge comprising a pleated filter medium, a correspondingly-pleated wire support frame on which said filter medium is supported, a wire stay disposed at the inner apex of each pleat of said filter medium for supporting the filter medium, on the side thereof opposite the wire frame, and end caps into which the ends of said filter medium pleats, said pleated wire support frame, and said wire stays are sealed to prevent flow around the filter medium.

Compl. Specn. 17 pages.

Drgs. 3 sheets.

CLASS :

163160

Int. Cl.⁴ : G 01 D 5/12.

DIGITAL TWO WIRE TELEMETRY SYSTEM USING MICROPROCESSOR.

Applicant & Inventor : MALAYATH ARAVINDAKSHAN ATMANAND, LAKSHMI KRIPA, PUTHUR, PALGHAT-678 001, KERALA STATE, INDIAN.

Application No. 212/Mas/85 filed March 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

Digital two wire telemetry system comprising a plurality of transmitters at different locations connected to a plurality of similarly located transducers and centrally located receiver, the said transmitters and the receiver being connected by two wires supplying 24 V AC power to the transmitters and carrying digital signal from transmitters to the receiver and vice versa, the said receiver capable of displaying the values of the digital signals on interrogation, wherein the said transmitters and receiver have retrieving filter circuits connected to the input/output port,

the retrieving circuit comprising a capacitor and a resistor connected between 24 V AC line for filtering digital signal from 24 V ac line and an opto-coupler for isolating digital signal from 24 V ac line.

Compl. Specn. 11 pages.

Drgs. 5 sheets.

CLASS : 143 C + D₄.

163161

Int. Cl. D06m 17/00 & B29d 3/02.

METHOD AND MACHINE FOR MANUFACTURE OF REINFORCED FLEXIBLE SHEET MATERIAL.

Applicant & Inventor : ARTHUR BRITTON A BRITISH SUBJECT, OF KNAPLEY ING COTTAGE, OTLEY ROAD, HIGH ELDWICK, NR BINGLEY, WEST YORKSHIRE, BD16 3BH, ENGLAND.

Application for Patent No. 98/Del/85 filed on 7th February, 1985.

Convention date February 10, 1984/8403622/(G.B.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

A method of manufacturing reinforced flexible sheet material, which comprises depositing bonding material comprising a natural or synthetic resin in a paste like condition on a supporting surface in the form of a coherent layer, said layer capable of allowing entry into it of strands and surrounding them completely while remaining a coherent layer, laying at least one set of strands so that they traverse the layer of bonding material, constraining the strands to enter the layer bonding material, so as to be completely surrounded thereby whilst said layer remains a coherent layer, treating the bonding material to form it into a solid flexible sheet material, and separating said sheet material from said supporting surface.

Compl. Specn. 19 pages.

Drgs. 3 sheets.

CLASS :

163162

Int. Class : C07C 129/00.

"A PROCESS FOR THE PREPARATION OF IMIDAZO-LYLTIAZOLE COMPOUNDS".

Applicant : PFIZER INC., a corporation organised under the laws of the State of Delaware, United States of America of 235 East 42nd Street, New York, State of New York, United States of America

Inventors : JOHN LAWRENCE LAMATTINA & CHRISTOPHER ANDREW LIPINSKI.

Application for patent no. 114/Del/85 filed on 12th February, 1985.

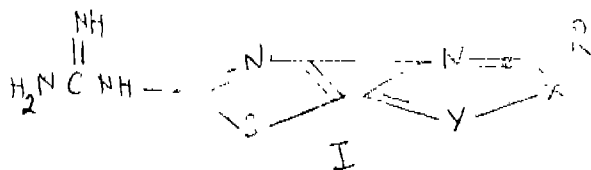
Ante-dated to 07 September, 1981.

Divided out of patent application No. 572/Del/81 filed on 07 September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 3)

A process for the preparation of imidazolylthiazole compound of formula 1A



and a pharmaceutically acceptable acid addition salt thereof,

wherein X is NH; Y is CH or C.CH₃; R₁ is hydrogen, hydroxymethyl, alkyl of 1 to 6 carbon atoms or -(CH₂)_n Ar; n is an integer from 2 to 4; and Ar is phenyl or phenyl monosubstituted with chloro; bromo, fluoro, alkyl of 1 to 3 carbon atoms or alkoxy of 1 to 3 carbon atoms characterised in that a compound of the formula II



wherein R is halo, X, Y and R- are as defined above is reacted with N-amidinothiourea, and, if desired, reacting the resulting compound of formula 1A

with a pharmaceutically acceptable acid in a manner known per se to form a pharmaceutically acceptable salt.

Compl. Specn. 25 pages.

Dr. 1 sheet.

CLASS : 140 B₁.

163163

Int. Cl. : C10M 129/26 & 129/95.

"A DISTILLATE PETROLEUM FUEL OIL COMPOSITION AND A PROCESS FOR PREPARING THE SAME".

Applicant : EXXON RESEARCH & ENGINEERING COMPANY A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventors : ROBERT DRYDEN TACK, SARAH LOUISE PEARCE & ALBERT ROSSI.

Application for Patent No. 131/Del/85 filed on 18th February, 1985.

Convention date 21st February, 1984/8404518 & 10th August, 1984/8420435/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-100 005.

16 Claims

A distillate petroleum fuel oil composition comprising a distillate petroleum fuel oil boiling in the range of 120°C to 500°C and an additive comprising a polymer or copolymer containing at least 25 wt % of a n-alkyl ester of a mono-ethylenically unsaturated C₄ to C₈ mono- or dicarboxylic acid wherein the average number of carbon atoms in the n-alkyl groups is from 12 to 14, said n-alkyl ester containing no more than 10 wt % of monomer in which alkyl groups containing more than 14 carbon atoms.

Compl. Specn. 30 pages.

CLASS :

163164

Int. Cl. : A 61 B 5/00.

A PROCESS FOR PREPARING A REAGENT FOR THE DETERMINATION OF GLUCOSE, CHOLESTEROL, URIC ACID AND HAEMOGLOBIN.

Applicant : REANAL FINOMVEGYSZERGYAR, OF 53, TELEPES U. BUDAPEST XIV., HUNGARY, A HUNGARIAN COMPANY.

Inventor : FERENC FARAGO, TAMAS JANCOS, IVAN DARUCZI, GABRIELLA ZAJKA.

Application for patent No. 134/Del/85 filed on 18th Feb. 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for preparing a reagent for the determination of glucose, cholesterol, uric acid and haemoglobin particularly in biological samples, comprising admixing in any known manner 4-amino phenazone, buffer solution such as herein described, stabilizing agent such as herein described, a detergent such as herein described, an enzyme catalyst consisting of a mixture of an oxidase along with other enzyme selected from cholesterol esterase and uricase and thymol (p-isopropylmeta-cresol) to a homogeneous solution.

Compl. specn. 16 pages.

CLASS :

163165

Int. Class 4 : C07C 139/00.

"A PROCESS FOR THE PREPARATION OF ETHANE-SULPHONATES".

Applicant : B P Chemicals Limited., a British company, of Belgrave House, 76 Buckingham Palace Road, London SW1W 0SU, England.

Inventor : WARNER AUGUST LIDY.

Application for patent No. 194/Del/85 filed on 8th March, 1985.

Convention date 16th March, 1984/8406865, 19th September, 1984/8423740 & 2nd November, 1984/8427863/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(Claims 3)

An improved process for the preparation of ethane sulphonates of the formula

R¹

R-O-(C_xH_{2x} CHO)-(C₂H₄O)_n-C₂H₄-SO₃M

wherein R is selected from a C₁-C₂₀ alkyl group and a phenyl group having at least one C₁-C₂₀ alkyl substituent.

R¹ is H or CH₃.

M is a cation,

X is an integer from 1 to 3

m has a value from 0 to 20 and n has an average value from 1 to 50 such that when R¹ is H and x is 1, the sum of m+n is from 1 to 50, which comprises reacting a parent ethane halide with a sulphite of the cation M in an aqueous medium characterised in that the reaction is carried out in the presence of an aliphatic C₅-C₁₂ mono- or poly-hydric-alcohol as diluent and that the aqueous medium comprises a preformed ethane sulphonate.

(Complete specification 11 pages

Drawings 4 sheets).

CLASS : 32 F. & 32 F₃ (c)

163166

Int. Cl. : C 07 d 65/00.

A PROCESS FOR PREPARING DERIVATIVES OF HYDROXY-4-2H-1-BENZOTHIOPYRAN-2-ONE.

Applicant : IUPHA, LYONNAISE INDUSTRIELLE PHARMACEUTIQUE, OF 34, RUE SAINT ROMAIN, 69003 LYON, FRANCE, A FRENCH COMPANY.

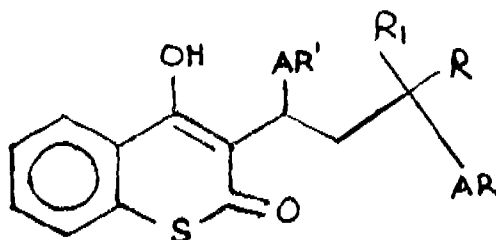
Inventor : JEAN-JACQUES BERTHELON.

Application for Patent No. 275/Del/85 filed on date 30th March 1985.

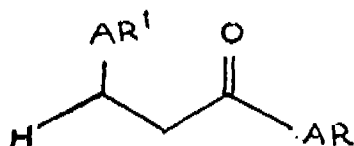
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for preparing derivatives of hydroxy-4-2H-1-benzothiopyran-2-one having the formula I



of the drawing in which R form with AR' a tetrahydronaphthyl cycle when R₁ is hydrogen and AR is a Biphenyl or benoxyphenyl group substituted by a halogen; said process comprises reacting hydroxy-4-2H-1-benzothiopyran-2-one with a compound of formula II



of the drawings in which AR has the meaning defined above in a solvent such as acetic acid in the presence of sulfuric acid at a temperature of between 20° C to 150° C.

Compl. specn. 11 pages.

Drgs 3 sheets.

CLASS :

163167

Int. Cl. : B 23 B 29/24, 29/32.

TURNING MACHINE WITH AN AUTOMATIC TOOL CHANGER.

Applicant : THE WARNER & SWASEY COMPANY, OF 11500 CEDAR AVENUE, CLEVELAND, OHIO 44106, UNITED STATES OF AMERICA.

Inventor : CARL J. MYERS.

Application for Patent No. 326/Del/85 filed on 18th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A machine tool having a tool turret for supporting a tool, storage means for storing a plurality of cutting tools, a cutting tool having a cutting tip, and a tool changer comprising :

an elongated cross arm supported in between its ends for rotation about a central axis of rotation;

a pair of gripping fingers disposed at each end of said cross arm; and each pair of gripping fingers rotatable with respect to said cross arm and driven by a rotary actuator carried at each end of said cross arm.

Compl. specn. 11 pages.

Drgs. 5 sheets.

CLASS : 32F₁ & 32 (b).

163168

Int. Class : C07c 129/00.

"A PROCESS FOR PREPARING 2-GUANIDINO-4-HETEROARYLTHIAZOLES OR PHARMACEUTICALLY ACCEPTABLE ACID ADDITION SALTS THEREOF".

Applicant : PFIZER INC., a corporation organised under the laws of the state of Delaware, United States of America, of 235 East 42nd Street, New York, State of New York, United States of America.

Inventors : JOHN LAWRENCE LAMATTINA & CHRISTOPHER ANDREW LIPINSKI.

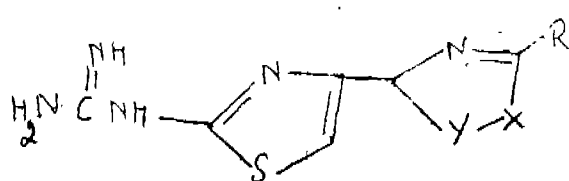
Application for patent no. 370/Del/85 filed on 30th April, 1985. Ante-dated to 07 September, 1981.

Divided out of patent application no. 572/Del/81. filed on 07 September, 1981.

Appropriate office for opposition proceedings (Rule 4 Patent Rules, 1972) Patent Office Branch, New Delhi-5.

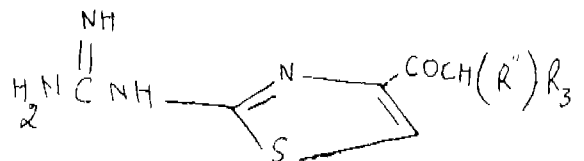
2 Claims

A process for preparing a compound of formula I



and pharmaceutically acceptable acid addition salts thereof, wherein

X is NH; Y is CH or C.CH₃; R is hydrogen, hydroxymethyl, alkyl of 1 to 6 carbon atoms, -(CH₂)_nAr; -NH₂, NHR₁ wherein R₁ is alkyl of 1 to 6 carbon atoms or -(CH₂)_mAr; n is integer from 2 to 4; m is zero or an integer from 1 to 4; and Ar is phenyl, phenyl monosubstituted with chloro, bromo, fluoro, alkyl of 1 to 3 carbon atoms or alkoxy of 1 to 3 carbon atoms; characterised in that a compound of formula III



or a 1,1-dialkoxy derivative thereof wherein said alkoxy groups are of 1 to 3 carbon atoms, R is hydrogen or methyl and R₃ is -NH₂ is reacted with a compound of formula RC(NH)OR₆ wherein R₆ is alkyl of 1 to 3 carbon atoms and R has meaning as defined above followed by heating in the presence of an acid such as herein described and, if desired, reacting the resulting compound of formula I with a pharmaceutically acceptable acid to form pharmaceutically acceptable salts by any known method.

(Complete specification 25 pages)

Drawing 1 sheet)

163169

Int. Cl.⁴ : B 01 J 23/22.

"A PROCESS FOR PREPARING A CATALYST FOR OXIDATIVE AMMONOLYSIS OF AROMATIC AND HETEROCYCLIC COMPOUNDS".

Applicant : INSTITUT KHMICHESKIKH NAUK AKADEMII NAUK KAZAKHSSOI SSR, OF ULITS A KRA-SINA, 106, ALMA-ATA, U.S.S.R.

Inventors : BORIS VIKTOROVICH SUVOROV, DAU-REN KHAMITOVICH SEMBAEV, IVETTA SERGEEVNA KOLODINA, LJUDMILA IVANOVNA SAURAMBAEVA, VIKTOR IVANOVICH BASHIN, TATYANA ALEXAN-DROVNA AFANASIEVA, NADEZHDA ANTONOVNA BELOVA, LJUTSLA FAZILOVNA GABDULLINA, ERNEST MUSLIMOVICH GUSEINOV, KAZBEK KHABI-TULLOVICH DZHUMAKAEV, ELENA PETROVNA KLENOVA, VERA SEMENOVNA KUDINOVA, GEN-NADY GEORGIEVICH NEVERDOVSKY, LIDIA ANATO-LIEVNA STEPANOVA, LJUDMILA ARKADIEVNA OBREVKO, ELENA NIKOLAEVNA GERMAN AND LYAZAT BIMURATOVNA STAMBEKOVA.

Application for Patent No. 504/Del/85 filed on 27th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

2 Claims

A process for preparing a catalyst from oxides of vanadium, tin and titanium for oxidative ammonolysis of aromatic and heterocyclic compounds, characterised in that powdery mixture of vanadium pentoxide, tin dioxide and titanium dioxide having a molar ratio 1. ((0.6-35) : (0.6-35), respectively is shaped into granules and heat treated for 1.5 to 2 hours at a temperature within the range of from 700 to 900° C in a current of air.

Compl. specn. 19 pages.

CLASS: 32F2(b) & 55E4.

Int. Class : C07d 91/00.

"A PROCESS FOR PREPARING 2-GUANIDINO-4-HETEROARYLTHIAZOLES AND PHARMACEUTICALLY ACCEPTABLE ACID ADDITION SALTS THEREOF".

Applicant : PFIZER INC., A CORPORATION ORGA-NIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

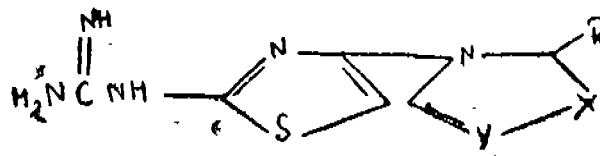
Inventors : JOHN LAWRENCE LAMATTINA & CHRISTOPHER ANDREW LIPINSKI.

Application for patent no. 572/Del/81 filed on 7th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(Claims 2)

A process of preparing 2-guanidino-4-heteroaryl-thiazoles compound of formula I



wherein

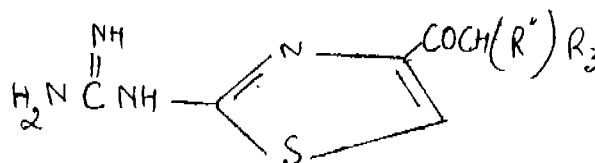
X is NH;

Y is CH;

R is -NH₂ or -NHR₁ wherein R₁ is alkyl of 1 to 6 carbon atoms or -(CH₂)_m Ar wherein m is zero or an integer from 1 to 4 and

Ar is phenyl, phenyl monosubstituted with chloro, bromo, fluoro, alkyl of 1 to 3 carbon atoms or alkoxy of 1 to 3 carbon atoms

and a pharmaceutically acceptable acid addition salt thereof characterised in that a compound of the formula III



wherein R'' is hydrogen or methyl and R₃ is -NH₂ is heated in solution at a pH in the range of 4 to 5 with a compound of formula RCN wherein R is as defined herein and, if desired, producing the pharmaceutically acceptable acid addition salt of the compound of formula I by a method known per se.

Compl. specn. 24 pages.

Drg. 1 sheet

CLASS :

163171

Int. Cl.⁴ : H 01 K 3/00.

"A COLUMN MOUNTED APPLIANCE".

Applicant : ABACUS MUNICIPAL LIMITED, A BRITISH COMPANY, OF SUTTON-IN-ASHFIELD, NOTTINGHAMSHIRE, NG17 5FT, ENGLAND.

Inventor : JOHN WILLIAM PRATT.

Application for Patent No. 32/Del/84 filed on 9th January, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

21 Claims

A column-mounted appliance which requires to be lowered for inspection and servicing such as street lighting units characterised by a column mounted said appliance and comprising a lower column part, an upper column part on which said appliance is mounted, horizontal pivot means connecting said upper column part to said lower column part whereby said upper column part can be raised and lowered relative to said lower column part about a substantially horizontal axis, said pivot means also permitting limited vertical displacement between said upper and lower column parts, said pivot means including a mechanical interlock for lock-

ing said upper column part and preventing it from being pivotally lowered unless it is first moved through said limited vertical displacement from a lock position to a release position, a releasable locking device for holding said upper portion, said releasable locking device comprising at least one slot provided in one of said column parts, the or each slot being configured to present a narrow portion and at least one wide portion, and a shaft located in said wide portions of said slot as said upper column part is moved through said limited vertical displacement, said shaft having a generally circular external cross-section and being mounted on said other column part for rotation relative thereto between a first position where it can enter said narrow portion of the or each slot and a second position where it cannot so enter.

Compl. specn. 20 pages.

Drgs. 6 sheets

163172

Int. Cl. 4 : F 03 D 1/02.

"A WINDMILL".

Applicant & Inventors : KAPUR SINGH GHUMAN AND KAKA SINGH GHUMAN BOTH INDIAN NATIONALS OF A-791, PREM NAGAR, NABI KARIM, PAHARGANJ, NEW DELHI-110055, INDIA.

Application for Patent No. 339/Del/85 filed on 22nd April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

A windmill comprising at least two rotors for driving a single driven shaft, each of said rotors comprising an elongate rotatable hub having a set of front and rear blades spaced from each other in axial direction, the front set of blades of one rotor extending to the proximity of the hub of the other rotor, the rear set of blades of one rotor extending to the proximity of the hub of the other rotor, the blades of one rotor having a rotation in a direction opposite to the direction of rotation of the blades of the other rotor, each of said rotors having its respective shaft for driving said driven shaft.

Compl. specn. 10 pages.

Drgs. 2 sheets

CLASS : 40 H.

163173

Int. Cl. : B 01 d 53/24.

PROCESS FOR PRODUCING HYDROGEN SULFIDE.

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor : LI WANG.

Application for Patent No. 420/Del/85 filed on 22nd May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for producing hydrogen sulfide from a gas containing sulfur oxides which comprises :

- (a) contacting said gas with an acceptor at such as herein described acceptance conditions selected to react and retain said sulfur oxides in the acceptor, said acceptor comprising a lithium doped mixture of magnesium and aluminum oxides ; and thereafter
- (b) removing said retained sulfur oxides from the acceptor in the form of hydrogen sulfide by contacting the acceptor with hydrogen at reduction conditions, such as herein described.

Compl. specn. 11 pages.

163174

Int. Cl. 4 : F 16 L 15/02. B 23 B 3/34.

"APPARATUS FOR MACHINING A TAPERED MALE AND FEMALE ELEMENT FOR A PIPE JOINT."

Applicant : VALLOUREC, A FRENCH COMPANY, OF 7, PLACE DU CHANCELIER ADENAUER-75116 PARIS, FRANCE.

Inventors : BERNARD PLAQUIN & LOUIS FRADIN.

Application for Patent No. 515/Del/85 filed on 1st July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

Apparatus for machining a tapered male and female element for a pipe joint, said apparatus consisting of :

—a first tool comprising

a collar (11) for engaging a tapered surface of the male element;

a spindle (3) located coaxially with said collar (11) such that said collar is free to rotate and move axially with respect to said spindle;

a cutting tool (5) located on said spindle for machining the end of said male element and

a stop (9) on said spindle for engaging said collar (11) when said male element is machined to a predetermined position with respect to said tapered surface;

—and a second tool comprising

a collar (11) for engaging a tapered surface on the female element;

a spindle (3) located coaxially with said collar (11) such that said collar is free to rotate and to move axially with respect to said spindle;

at least one cutting tool (5a) located on said spindle for machining stop members (17, 18) on said female element; and

a stop (9) on said spindle for engaging said collar (11) when said female element is machined to a predetermined position with respect to said tapered surface;

Compl. specn. 10 pages.

Drgs. 2 sheets

163175

Int. Cl. : F 16 D 65/00.

"DISC BRAKE FOR A MOTOR VEHICLE".

Applicant : BENDIX FRANCE, A FRENCH COMPANY, OF CENTRE PARIS PLEYEL, 93521 SAINT-DENIS CEDEX 01, FRANCE

Inventors : MICHEL LOMBARDI & JEAN LOUIS GERARD.

Application for Patent No. 573/Del/85 filed on 18th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

9 Claims

A disc brake comprising a caliper (10) sliding on a fixed support (16) provided with two axial pillars (12, 14) each having a cylindrical sleeve (42) and a screw forming removable portion (40) one end of each pillar including a thread for fixing the pillar to the fixed support and the other pillar end rotatable by a suitable mounting tool, characterised in that the brake further comprises a channel with parallel sides (58, 68), one side of said channel including locking portions co-operating with the sleeves and fixing firmly the channel to the sleeve and the other side of said channel carrying tapped components (50) co-operating with the removable portions (40), and a central portions (76) straddling the fixed support.

Compl. specn. 12 pages.

Drgs. 2 sheets

CLASS : 128 E.

163176

Int. Cl. : A 61 b 1/26.

LARYNGOSCOPE.

Applicant & Inventor : JACK BAUMAN, A U.S. CITIZEN OF 1677 SAN ONOFRE DRIVE, PACIFIC PALISADES, CALIFORNIA, U.S.A.

Application for Patent No. 583/Del/85, filed on 23rd July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A laryngoscope comprising a blade, a handle, means to detachably secure the blade to the handle in an L-shaped configuration, said means being a boot-shaped appendage on the proximal end of the blade, the front end of the boot-shaped appendage being hooked so as to engage under a pivot rod in the front end of an open channel provided in the top of the handle, said channel being configured to receive the boot-shaped appendage on the blade, characterised by sliding surfaces on the blade and handle having one or more detents and at least one cooperating cavity to detachably secure the blade to the handle in at least two positions, in said L-shaped configuration, one position being an operating position and the other position being a ready position.

Compl. specn. 14 pages.

Drg. 1 sheet

163177

Int. Cl. : H 01 H 37/02.

"AN IMPROVED DEVICE FOR STARTING ROOM AIR CONDITIONER UNITS."

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJ MARG, NEW DELHI 110001, INDIA,

INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : RABINDRANATH ROY.

Application for Patent No. 717/Del/85 filed on 30 Aug. 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

2 Claims

An improved device for starting a room air conditioning unit which comprises a no-volt coil having at least three pairs of normally open type contact points, one pair of the contact point connected in parallel to an ON-push button switch the input terminal of this pair of contact point being connected to the terminals of a compressor unit, the indicator being provided between the terminals of the compressor unit, the input terminals of the contact points being connected to the mains in series with the overload unit, one of the terminals of the no-volt-coil being connected to an OFF push button switch the other terminal of the no volt coil being connected to the mains in series with the blower ON-OFF switch a temperature control unit being connected across the push button switches, one of the terminals of blower unit being connected to the main through the overload circuit unit and the other terminal of the blower unit being connected to the mains through the blower ON-OFF switch, an indicator being provided in between the terminal of the blower unit.

Compl. specn. 6 pages.

Drgs. 2 shetes

163178

Int. Cl. : B 65 B 9/00, B 65 D 17/00, 53/00.

A POUCH FOR PACKAGING AND DISPENSING OF A LIQUIDUOUS MATERIAL.

Applicant : UNISYSTEMS PRIVATE LIMITED, OF 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110 065, INDIA, AN INDIAN COMPANY.

Inventor : KAMAL MEATTLE.

Application for Patent No. 755/Del/85 filed on 16 Sep., 1985.

Addition to application for Patent No. 676/Del/84 filed on 25th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

A pouch for packaging and dispensing of a liquidous material comprising a front and back sheet heat sealed to each other along its longitudinal edges and the base, the top of said sheets being heat sealed to define a top seal after the material is packed therein, an oblique tear zone provided at a corner between the top and a longitudinal side, a first additional heat seal between the front and back sheet provided in the upper portion of said pouch and spaced below the top seal, said additional seal extending from one of the longitudinal sides and having a terminating end disposed away from the opposite longitudinal side to define a first flow passage, as described in parent patent application no. 676/Del/84 characterized in a second additional longitudinal seal between the front and back sheet, said second additional seal extending downwardly from the terminating end of said first additional seal and spaced away from a longitudinal side so as to define a second flow passage in flow communication with said first flow passage, the inlet end of the second flow passage terminating away from the base of said pouch.

Compl. Specn. 10 pages.

Drg. 1 sheet.

163179

163181

Int. Cl. : B 65 B 9/00, B 65 D 17/00, 53/00.

AN IMPROVED POUCH.

Applicant : UNISYSTEMS PRIVATE LIMITED, OF 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110 065, INDIA, AN INDIAN COMPANY.

Inventor : KAMAL MEATTLE.

Application for Patent No. 819/Del/85 filed on 07th October, 1985.

Addition to Patent application No. 676/Del/84 dated 25th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A pouch for packaging and dispensing of a liquid material comprising a front sheet and back sheet heat sealed to each other along their longitudinal edges and the base, the top side of said sheets being heat sealed to define a top seal after the material is packed therein, as described in parent patent application no. 676/Del/84 characterised in an additional heat seal extending from each longitudinal side and towards the other longitudinal side but terminating at a distance away from the opposed longitudinal side defining a flow passage, a tear zone being provided with each of said longitudinal sides.

Compl. specn. 7 pages.

Drg. 1 sheet

CLASS : 64 A.

163180

Int. Cl. : H 02 h 3/00.

"AN AUTOMATIC CUT OUT FOR TRANSMISSION OF POWER".

Applicant & Inventor : SULTAN SINGH JAIN, B-63, SHANTINAGAR, ROORKEE, DISTRICT SAHARANPUR, UTTAR PRADESH, INDIA, INDIAN NATIONALITY.

Application for Patent No. 332/Del/86 filed on 14th April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

1 Claim

An automatic cut out for transmission of power comprising two pairs of shackle insulators having fuse (10) mounted on a frame (4), one shackle insulator (23 C) being fixed with the frame (4) and the other shackle insulator (23 B) slidably fitted over the said frame (4); the other pair of shackle insulators being connected to the main line wire (17) in which one shackle insulator (23 A) facing the supply station and the other insulator (23 D) facing the forward zone being connected to a high tension rope (11) through its holding clamp (5); the said high tension rope (11) is held in position by a counter weight (6) and a rusher (2) is mounted over this high tension rope (11) in between the shackle insulators carrying the fuse wire (10) and all the shackle insulators are inter-connected by wires (14) for carrying current; when an overhanging main line wire (17) breaks then the counter weight (6) pulls the pusher (20) until it dashed against the slidable shackle insulator (23 B) so as to break the fuse wire (10); the excessive current flowing through the said fuse wire (10) is bound to blow it off indicating a fault in a section in both cases.

Compl. specn. 7 pages.

Drgs. 2 sheets

3—207 GI/88

Int. Cl. : C 10 G 7/00.

"A PROCESS AND AN INSTALLATION FOR THE DISTILLATION OF PETROLEUM OF FOSSIL OR SYNTHETIC ORIGIN".

Applicant : SOCIETE NATIONALE ELF AQUITAINE, A FRENCH COMPANY, OF TOUR AQUITAINE, 92080 PARIS LA DEFENSE, FRANCE.

Inventors : ANDRE DEVOS, JEAN PAUL GOURLIA & HENRI PARADOWSKI.

Application for Patent No. 119/Del/85 filed on 13th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

23 Claims

A process for the distillation of petroleum of fossil or synthetic origin by progressive separation in which the crude oil after being preheated is successively processed in at least three atmospheric columns in such a way that each of the said columns is fed by the residue of a foregoing column in the series and the entrance temperature of each of the said columns increases over a temperature range from about 150° C which is a temperature at which a head fraction containing light petroleum gases and a part of gasoline is collected, to about 400° C which is a temperature at which gas oils are collected at the head fraction, each cut collected at the head of each column of the said first series is fed individually to separate columns of a second series of columns, wherein the distillates of the said columns of the second series are standard commercial petroleum products; light petroleum gases, C₂, C₃, C₄ hydrocarbons, the atmospheric residue collected at the bottom of the last column of the first series of columns is treated in a vacuum distillation zone comprising at least one vacuum column after being reheated in a furnace.

Compl. specn. 30 pages.

Drgs. 10 sheets

CLASS :

163182

Int. Cl. : CO6B 13/00, 15/00.

"AN EXPLOSIVE COMPOSITION AND A PROCESS FOR PRODUCING THE SAME".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : JOHN COOPER & ALAN STUART BAKER.

Application for Patent No. 201/Del/85 filed on 11th March, 1985.

Convention date 21st March, 1984/8407302 & 14th June, 1984/8415205/(U. K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

An explosive composition which is an emulsion of the water-in-fuel or melt-in-fuel type as hereinbefore described consisting of a discontinuous phase containing oxidiser component, a continuous phase containing organic fuel component, and emulsifier characterised in that :

the emulsifier is an electrical conductivity modifier of the kind such as herein described so that the explosive composition exhibits an electrical conductivity of from 95 to 60,000 picomhos/metre measured at 60°C in the absence of any supplementary adjuvant.

Compl. Specn. 33 pages.

CLASS : 176.

163183

Int. Cl. : F22b 37/00.

"A SHELL BOILER HAVING A BUILT IN DEAERATOR".

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AN INDIAN COMPANY OF 18-20 KASTURBA GANDHI MARG, NEW DELHI-110 001, INDIA.

Inventors : NARAYANA SASIKUMAR KURUP, SWAMI-NATHAN RAJARAM, RAMANIIYER NATARAJAN & GRANDI VENKATA SUBBARAO.

Application for Patent No. 215/Del/85 filed on 15th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A shell boiler having a built in deaerator forming integral part thereof mounted on the top of the boiler, the deaerator being connected through a pipe to the steam space in the boiler for admitting the steam to the deaerator at the pressure existing in the steam space, the deaerator having an outlet for feeding the deaerated water to the boiler, the said pipe connecting the steam space to the deaerator is located within said outlet and is coaxial to the outlet.

Compl. Specn. 6 pages.

Drsgs. 2 sheets.

CLASS : 32F.

163184

Int. Class : c08f 13/02, 19/08.

A PROCESS FOR THE PREPARATION OF POLYMERS OF CONJUGATED DIENES AND OPTIONALLY MONOALKENYL AROMATIC HYDROCARBONS.

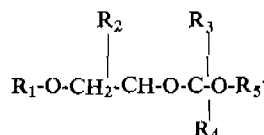
Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT-LAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventor : ANTONIUS AUGUSTINUS BROEKHUIS
Application for Patent No. 239/Del/85 filed on March 21, 1985,
Convention date March 23, 1984/8407629/U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

Process for the preparation of a polymer of a conjugated diene and optionally a monoalkenyl aromatic hydrocarbon by polymerizing a conjugated diene and optionally a monoalkenyl aromatic hydrocarbon monomer in the presence of a hydrocarbon diluent, a hydrocarbyl alkali metal compound and a Lewis base, characterized in that the Lewis base is a compound having the formula



Wherein

R₁ is an alkyl group having 2-18 carbon atoms

R₂ and R₃ are hydrogen or an alkyl group having 1-4 carbon atoms

R₄ is hydrogen or an alkyl group having 1-6 carbon atoms and

R₅ is an alkyl group having 1-18 carbon atoms.

Complete specification 12 pages

Drawing 1 sheet

CLASS :

163185

Int. Cl. : G01V 3/00, G01n 33/24, G01r 27/00.

"A DIRECT READING FOUR PROBE RESISTIVITY METER".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : HOLAVANAHALLI NARAYANA RAO, VENKOBA RAO, YAGNANARAYANA IYER MAHADEVA IYER, NERUR SANKARANARAYANAN RENGASWAMY SESHADRI SRINIVASAN & RAMIA HARI GOVINDA RAO SURESH BAPUR.

Application for Patent No. 252/Del/85 filed on 23rd March, 1985.

Complete specification left on 30th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A direct reading four probe resistivity meter for measurement of electrical resistivity of any environment such as soil and concrete which comprises four probe arranged side by side each probe being ring mounted on a frame, the terminals of the outer probes being connected to a constant current source, a square wave generator being connected to the constant current sources, the inner probes being connected to a commutator for converting the potential drop between the time probes into resistivity, the outputs of the commutator being connected to a digital display unit, the entire assembly being housed in a cabinet, the cabinet being provided with switches for testing, calibrating and measurement.

Provl. Specn. 4 pages.

Drsgs. 2 sheets.

Compl. Specn. 8 pages.

CLASS : 68 E, & 206 E.

163186

Int. Cl. : G05f 1/00, 5/00.

Title : DEVICE FOR GENERATING A SIGNAL CORRESPONDING TO A VARIABLE MAGNITUDE ASSOCIATED WITH THE REACTIVE POWER OF AN ARC FURNACE IN ORDER TO CONTROL A REACTIVE POWER COMPENSATOR.

Applicant : CGEE ALSTHOM, of 13 rue Antonin Raynaud, 92309 Levallois Perret, France a French Body Corporate.

Inventor : PATRIC CHARLES.

Application for Patent No. 276/Del/85 filed on 30th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

Device for generating a signal corresponding to a variable magnitude associated with the reactive power of an arc furnace in order to control a reactive power compensator, comprising a reactive power or voltage demodulator, a set of five filters connected in series to the output of said demodulator and comprising three active bandstop filters having a bandwidth $\pm F$ relative to frequencies $2f_0$, $4f_0$ and $6f_0$ and two narrowband active bandstop filters having a bandwidth of substantially ± 2 Hz relative to frequencies of f_0 and $3f_0$, where f_0 is the supply frequency and F is approximately $f_0/2$, and a phase advance corrector circuit operative in the frequency band 0-1 connected in series after the said set of five filters.

(Complete Specification 9 Pages Drawing Sheets 2)

Int. Class⁴ : C07C 31/04, C07C 1/00.

163187

"PROCESS FOR THE CONVERSION OF METHANOL TO OLEFINS".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL, Research Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

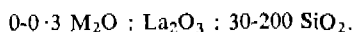
Inventors : PAUL RATNASAMY, IKKANDATH BALAKRISHNAN, RAJIV KUMAR & SURYAKANT GANESH HEGDE.

Application for patent No. 279/Del/85 filed No 30th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the conversion of methanol or a mixture of methanol and water into olefinic hydrocarbons containing 2 to 4 carbon atoms comprising contacting the methanol or the mixture of methanol and water in vapor phase with a catalyst composite material having a composition in the anhydrous form in terms of mole ratios of oxides of formula,



wherein M is a monovalent cation like sodium, ammonium, hydrogen or mixtures thereof at a temperature in the range of 300-650°C.

(Complete specification 15 pages).

CLASS : 24C.

163188

Int. Cl. : F16d 65/34.

"ELECTRIC ACTUATORS".

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE, ENGLAND.

Inventor : DAVID JOHN WICKHAM.

Application for Patent No. 311/Del/85 filed on 15th April, 1985.

Convention date 30th May, 1984/8413810/(U. K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

An electric actuator comprising an electric motor for determining the output force generated on the actuators output member by a spring; a drive shaft driven by the electric motor, said drive shaft having first and second drive means thereon, a first driven means in driving engagement with said first drive means, a non-rotational but axially movable intermediate member which is threadedly engaged with said first driven means; said spring being located between the intermediate member and the output member for transmitting axial movement of the intermediate member to the output member so long as the output member is free to move and, when the output member is restrained from movement, generating the output force on the output member upon continued operation of the electric motor; a second driven means in driving engagement with said second drive means; a stop carried by the intermediate member and adjustable in position with respect thereto in the direction in which the intermediate member is axially movable for engaging the second driven means to arrest rotation thereof and to then arrest rotation of the second drive means and, hence, by thus arresting rotation of the second drive means, to arrest further operation of the electric motor in the direction which increases the output force generated on the output member.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS :

163189

Int. Cl.⁴ : G02B 23/00.

A STEREO VIEWER.

Applicant & Inventor : SATYANEDRA NARAYAN MATHUR, AN INDIAN NATIONAL OF NO. A/D-41 B, SHALIMAR BAGH, DELHI-110 033.

Application for Patent No. 324/Del/85 filed on 17th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A stereo viewer for forming 3-Dimensional views by looking at 3-D image-pairs comprising a pair of light reflecting or refracting devices secured together in a holder so as to be movable towards or away from each other for turning a beam of light through two right angles approximately clockwise or anticlockwise, the holder being angularly movable wherein the said devices are a pair of opposed plain mirrors or prisms.

Compl. Specn. 4 pages.

Drg. 1 sheet.

CLASS : 163190

Int. Cl. : G03B 21/00.

ADJUSTABLE STEREO VIEWER.

Applicant & Inventor : SATYENDRA NARAYAN MATHUR, AN INDIAN NATIONAL OF A/D-41 B, SHALIMAR BAGH, DELHI-110 033.

Application for Patent No. 331/Del/85 filed on 18th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A stereo viewer comprising eyepieces or lenses mounted on a body, spaced from each other with the distance between them being variable or and adjustable and sets of means such as sliding friction or thumb screw for reflecting rays of light from two pictures arranged side by side and correctly oriented through the said lenses, said two sets of means for reflecting rays of light being mounted on a second body, spaced from each other, the distance between the two sets being variable or adjustable.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 40-B. 163191

Int. Cl. : C 10 g 9/00, 11/00, 47/00.

IMPROVEMENTS IN OR RELATING TO METHOD FOR CRACKING A PETROLEUM FEEDSTOCK.

Applicant : ENGELHARD CORPORATION, OF MENLO PARK CN 28, EDISON NEW JERSEY 08818, UNITED STATES OF AMERICA.

Inventors : 1. STANLEY MONTY BROWN, 2. VINCENT ANTHONY DURANTE, 3. WILLIAM JOSEPH REAGAN, 4. BARRY KEVEN SPERONELLO.

Application No. 135/Cal/84 filed February 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims

The method of cracking a petroleum feedstock comprising cracking the feedstock in the presence of a fluid catalytic cracking catalyst comprising microspheres containing zeolitic component and non-zeolitic component, and further at least 40% by weight Y-faujasite and having less than 0.20 cc/g of pores having diameters in the range of 20-100A, said microspheres having the following characteristics :

- (a) a deactivated activity at least 1.5 times that of standard commercial catalyst;

- (b) a severely deactivated activity at least 1.5 times that of standard commercial catalyst;

- (c) a coke yield no greater than that of standard commercial catalyst at 70% conversion; and

- (d) an Engelhard Attrition Index no more than 5.0 times that of standard commercial catalyst.

Compl. Specn. 80 pages.

Drgs. 5 sheets.

CLASS :

163192

Int. Cl. : C 07 c 17/00.

A PROCESS FOR PREPARING A SUBSTANTIALLY PURE HYALURONIC ACID FRACTION HAVING PHARMACEUTICAL ACTIVITY.

Applicant : FIDIA S.p.A. OF VIA PONTE DELLA FABBRICA 3/A, 35031 ABANO TERME, ITALY.

Inventors : 1. FRANCESCO DELLA VALLE, 2. AURELIO ROMEO, 3. SILVANA LORENZI.

Application No. 711/Cal/84 filed October 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for preparing a substantially pure, non-inflammatory, hyaluronic acid fraction comprising :

extracting a mixture of hyaluronic acid from available starting material by means of solvent extraction;

subjecting the resulting mixture to enzymatic digestion and

subjecting the thus obtained mixture of hyaluronic acid to molecular filtration with membrane having a molecular weight exclusion limit of 30,000 to thereby obtain a first hyaluronic acid fraction which has an average molecular weight of from 30,000 to 730,000 and is substantially free of hyaluronic acid having a molecular weight of less than 30,000, when required (i) subjecting said first hyaluronic acid fraction to further molecular ultrafiltration with a membrane having a molecular weight exclusion limit of 200,000 to exclude molecules having a molecular weight of greater than 200,000, continuing ultrafiltration until the volume of the mixture being subjected to ultrafiltration is reduced to 40% of the initial volume, and collecting the mixture which passes through the membrane to thereby obtain a second hyaluronic acid fraction product having an average molecular weight of from 50,000 to 100,000 (ii) collecting the mixture retained on the membrane after the ultrafiltration step with a membrane having a molecular weight exclusion limit of about 200,000 thereby obtaining a third hyaluronic acid fraction product having an average molecular weight of from 500,000 to 730,000.

Compl. specn. 47 pages.

Drg. 1 sheet

CLASS : 155-B.

163193

Int. Cl. : D 06 m 15/30, 17/00.

A FLAME RETARDANT WATER IMPERMEABLE, BACTERIOCIDAL AND FUNGICIDAL, HYPO-ALLERGENIC ABRASION-RESISTANT, NON-ABRASIVE AND CHEMICALLY RESISTANT MATTRESS TICKING OR COVER.

Applicant : DANIEL FERZIGER OF 4515 GREYSTONE AVENUE RIVERDALE, N. Y. 10471, U. S. A.

Inventor : 1. JERRY LIPPMAN,

Application No. 729/Cal/84 filed October 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method of preparing a flame retardent, water impermeable, bacteriocidal and fungicidal, hypo-allergenic, abrasion-resistant, non-abrasive and chemically resistant mattress ticking or cover, the method comprising applying a first coating layer of a polymer based coating composition on a woven or non-woven fiberglass fabric, said coating composition on a woven or non-woven fiberglass fabric, said coating composition comprising a polymeric carrier selected from the group consisting of the polyvinyl chlorides, polytetrafluoroethylenes, neoprenes, polyvinyl chloride acetate copolymers, ethylene vinylidene chlorides copolymers, an acrylic vinyl chloride latex, vinyl chloride acrylic copolymers, chlorosulfonated polyethers, acrylic homo-polymers or copolymers, and silicone rubbers; and said polymeric carrier containing a flame retardant, and a fungicide and bacteriocide to render said fiberglass fabric substantially impermeable to liquids and resistant to bacteria and fungi; and applying a second surface coating on said first coating, said second coating layer comprising a polymeric carrier containing a fungicide and bacteriocide, to provide a non-abrasive, bacteriocidal and fungicidal surface on said mattress ticking.

Compl. specn. 13 pages.

Drg. Nil.

CLASS 73; 172-F.

163194

Int. Cl. : C 06 c 15/00.

SUPERCALENDERS.

Applicant : BELOIT CORPORATION, OF P. O. BOX 350, BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor : KENNETH WILLIAM BERRY.

Application No. 10/Cal/85 filed January 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A super-calender having a vertical stack of a plurality of rotary rolls, each of said rolls having at each end a bearing structure with slide block means, means for guiding said slide block means and thereby said bearing structures for vertical movement, and means for vertically shifting said rolls between a spaced apart independent suspension mode and a nipping mode relation to one another, and comprising :

load transfer means extending upwardly along the slide block means and thrusting downwardly against a load supporting base, and means carried by the slide block means for selectively imposing the overhung weight of the bearing structures to the load transfer means in the nipping mode for thereby maintaining the rolls in straight and parallel nip relation.

Compl. specn. 17 pages.

Drgs. 3 sheets

CLASS : 166-C.

163195

Int. Cl. : B 63 h 1/00, 3/00.

DRIVING ARRANGEMENT FOR WATERCRAFT.

Applicant : HARMSTORE AG. OF WERFTSTR 24, D-2390 FIENSBURG, WEST GERMANY.

Inventor : PROFESSOR DR. -ING. OTTO GRIM.

Application No. 18/Cal/85 filed January 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A watercraft drive comprising :

- a propeller having a given number of blades and rotational speed, said propeller providing a main propulsion stream; and
- a guide wheel freely rotatable downstream of said propeller and having a number of blades greater than the number of blades of said propeller and a rotational speed smaller than the rotational speed of said propeller, said blades of said guide wheel each having one segment lying within said stream and being shaped as turbine blades and another segment extending outside the propeller stream and being shaped in a propeller blade-like manner, said propeller and said guide wheel being rotatable in the same direction of rotation and said one segment having a pitch essentially at a constant value in radial direction and said other segment having a pitch increasing steadily radially from said constant value to a hub of said guide wheel.

Compl. specn. 11 pages.

Drgs. 2 sheets

CLASS : 128-I.

163196

Int. Cl. : A 62 b 7/00.

RESPIRATOR.

Applicant : ODESSKY GOSUDARSTVENNY UNIVER-SITET IMENI I. I. MECHNIKOVA, OF ODESSA, ULTISA P. VELIKOGO, 2, USSR.

Inventors : 1. ALIM ABDUL-AMIDOVICH ENNAN, 2. VALENTIN ILICH BAIDENKO, 3. OLEG ALEXANDRO-VICH KOVALEV, 4. NATALYA NIKOLAEVNA ABRA-MOVA, 5. LITVIN ELIGUMOVICH KAZARIAN, 6. MKRTYCH MIKHAILOVICH AGABABLAN, 7. EDU-ARD PAVLOVICH AKOPIAN, 8. ALEXANDR PAVLO-VICH KOZA K.

Application No. 507/Cal/85 filed July 9, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A respirator comprising a cup-shaped mask enclosing the mouth and nose of a wearer and having openings made for passing air in and out of the space under the mask, an edge adapted to be hermetically fitted to the surface of the face, two layers of the different filter ring materials disposed thereon and featuring the shape corresponding to the shape of the mask, fastening elements for securing the mask to the face, and an exhalation valve detachably secured in a mask opening opposite the mouth of the wearer, and the first filtering layer is made of an aerosol filtering material a peripheral edge of which is folded over an edge of the mask and secured thereon with a bracing rubber cord so that the mask edge fits the face of the wearer through the first layer of the filtering material in which opposite the exhalation valve projects outside and edges of this opening are hermetically secured to the mask, and the second filtering layer is made of material possessing chemisorption gas absorptive properties, and this second layer of the filtering material is detachably secured on the internal surface of the mask so that its edge is adjacent to the edge of the first layer of the filtering material folded over the edge of the mask, and has in the zone of the exhalation valve in opening the edges of which are hermetically secured to the internal surface of the mask.

Compl. specn. 18 pages.

Drgs. 2 sheets

CLASS : 66-B.

163197

Int. Cl. : F 21 I 13/00.

AN IMPROVED TYPE OF DYNAMO TORCH LIGHT.

Applicant : GALAXY DEVICE, 1/1A, PRINCEP STREET, CALCUTTA-700072, WEST BENGAL, INDIA.

Inventors : 1. PRASANNA KUMAR GOLCHNA, 2. SURENDRA KUMAR DUGAR.

Application No. 750/Cal/85 filed October 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An improved type of dynamo torch light comprising a body with a detachable side cover essentially consisting of an external pushing lever, a train of gears arranged 6, 7, & 9 inside, a bulb arrangement and an adjustable reflector arrangement of which the external lever is hinged at its one end to the body of the torch is spring loaded for automatic return provided with a substantially perpendicularly arranged toothed rack reciprocating inside the body and which is in mesh with train of gears of increasing ratio rendering finally an increased speed of rotation to a rotating cylindrical type permanent magnet through the rotation of a fly-wheel, the said magnet acting as a rotor rotating in the surrounding of the stationary coils of the stator of dynamo system thereby generating current which is led to a bulb holder; the said bulb holder is fixed to the body of the torch remaining stationary in position at the open front of the torch; an adjustable reflector assembly consisting of the reflector and a glass or the like is screwed at this front open end of the torch for adjusting brightness and focus of the light beam.

Compl. specn. 8 pages.

Drgs. 2 sheets

CLASS : 102-D.

163198

Int. Cl. : G 05 d 21/00.

APPARATUS FOR CONTROLLING A MACHINE TOOL.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : FRIEDRICH WETZEL.

Application No. 848/Cal/85 filed November 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

Apparatus for the simultaneous control of the axes of a machine tool in accordance with predetermined parts programs, each of which contains a sequence of sets which can be sub-divided into a number of chords specific to a set which serve for controlling a predetermined axis of the machine tool, comprising :

- (a) at least one working memory having a plurality of memory areas, each area assigned to a particular parts program;
- (b) means for loading in a queue fashion the sets of each parts program into the respective corresponding memory area one set at a time;
- (c) means for cylindrically interpolating the currently stored set of a respective parts program for a predetermined number of cycles so as to subdivide said set into a number of chords, equal to the number of cycles, specific to the set; and

(d) means for controlling the loading of a subsequent set of a respective parts program into the respective corresponding memory area of the working memory after the completion of the predetermined number of cycles for the interpolation of the currently stores set; and

(e) means for controlling the axes of the machine tool by utilizing the chords determined by the interpolation of the sets of each parts program.

Compl. specn. 14 pages.

Drg. 1 sheet

CLASS : 176-I.

163199

Int. Cl. : F 22 b 1/18.

WASTE HEAT STEAM GENERATOR.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, OF 433 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HERMANN BRUCKNER, 2. WINFRIED GANZER.

Application No. 286/Cal/86 filed April 11, 1986

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A waste heat steam generator for hot, dust-laden gases, standing under excess pressure, with a gas supply line, with a gas outlet line, as well as with heat exchanger elements through which coolant flows, in which the gas supply line is guided inside the gas outlet line, opens from above into a heat exchanger space arranged in a pressure tank open at the lower end, carrying heat exchanger elements; the interspace between the external walls of the heat exchanger space and the pressure tank wall at the upper end of the pressure tank is connected to the gas outlet line; the pressure tank floor is funnel-shaped and is connected to an ash discharge arrangement; and the external walls of the heat exchanger space are provided with heat exchanger pipes.

Compl. specn. 12 pages.

Drg. 1 sheet

163200

Int. Cl. : A 61 k 37/00.

PROCESS FOR PREPARING PHARMACEUTICAL COMPOSITION USING POLYMER CONJUGATION.

Applicant : CETUS CORPORATION, AT 1400 FIFTY-THIRD STREET, EMERYVILLE, CALIFORNIA 94608, UNITED STATES OF AMERICA.

Inventors : 1. NANDINI KATRE, 2. MICHAEL J. KNAUP.

Application No. 464/Cal/86 filed June 23, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for preparing a pharmaceutical composition comprising a non/toxic, inert, pharmaceutically acceptable aqueous carrier medium in which is dissolved a biologically active selectively conjugated protein selected from the group consisting of β -interferon, interleukin-2, and an immunotoxin, where the protein is covalently conjugated to a water-soluble polymer selected from the group consisting of poly-

thylene glycol homopolymers and polyoxyethylated polyols, wherein said homopolymer is unsubstituted or substituted at one end with an alkyl group and said polyol is unsubstituted, and wherein said protein in its unconjugated form is normally hydrophobic and not soluble in said aqueous carrier medium at pH 6-8 in the absence of a solubilizing agent, which process comprising :

- (a) preparing a water-soluble polymer having at least one terminal reactive group, where said polymer is selected from the group consisting of polyethylene glycol homopolymers and polyoxyethylated polyols, wherein said homopolymer is unsubstituted or substituted at one end with an alkyl group and said polyol is unsubstituted;
- (b) conjugating a biologically active normally hydrophobic, water-insoluble protein selected from the group consisting of β -interferon, interleukin-2, and an immunotoxin with the reactive group of said polymer at a pH of 5-9 so as to provide a water-soluble, biologically active selectively conjugated protein; and
- (c) formulating said protein in a non-toxic, inert, pharmaceutically acceptable aqueous carrier medium.

Compl. specn. 43 pages.

Drgs. 6 sheets

CLASS :

163201

Int. Cl. : B 66 C 1/06.

A DEVICE FOR HANGING A LOAD.

Applicant : TECHNOVAR ITALIANA S.p.A., VIA ARGIRO, 95-70121 BARI, ITALY, ITALIAN NATIONALITY.

Inventor : LUDOVICO FONTANA.

Application No. 76/Mas/84 filed February 6, 1984

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A device for hanging a load, particularly to aircraft or landcraft transport means, of the type comprising an eyelet (6) of connection to the transport means having an enlarged base (3) with a central hole, a pin (2) rotatably supported in said hole and extending downward into a first hook part (1), a second hook part (7) pivoted on the first, about a pin (8) with horizontal axis positioned in the lower end of the first hook part, releasable locking means (9-11) to retain said second hook part in an active position to form with the first part an essentially closed hook, a bracket (32) for the support of a load lifting sling, and electrical connection means (18, 19, 34) to transmit electric signals from the hook to the bracket, said device being characterized in that said electrical connection means comprise at least one contact rod (19) oscillating between a rest position, in which it is housed into a seat formed in said enlarged base and an active position, in which it bears onto a respective contact surface (34) provided on the bracket (32), said oscillating movement being controlled by a rocking lever (21, 22, 24) moving under the action of the bracket being carried into the hooking position, and by pressure spring means (29) associated with said lever.

Compl. specn. 12 pages.

Drgs. 3 sheets

CLASS :

163202

Int. Cl. : C 25 B 11/04.

A METHOD OF MAKING AN ELECTRODE FOR USE IN AN ELECTROCHEMICAL DEVICE.

Applicant : RAYCHEM LIMITED, OF FARADAY ROAD, DORCAN, SWINDON, WILTSHIRE, ENGLAND, A BRITISH COMPANY.

Inventors : (1) GEORGE BARRY PARK, (2) JOHN ANTHONY COOK.

Application No. 826/Mas/84 filed November 2, 1984.

Convention date : November 2, 1983 (No. 8329209; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

A method of making an electrode for use in an electrochemical device, which comprising :

- (a) applying to the surface of the electrode a layer of substantially non-porous and relatively fluid-impermeable flexible protective composition such as herein described, the said flexible composition having incorporated therein at least one component which is capable of being removed therefrom by conventional means, thereby rendering the protective composition permeable to enable the same to function as an electrode separator in the device and
- (b) deforming in any known manner the electrode while protected by the protective composition so as to increase its surface area significantly.

Compl. specn. 28 pages.

Drgs. 10 sheets

CLASS :

163203

Int. Cl. : E 04 C 1/10.

BUILDING BLOCKS.

Applicant : RIVERMILL INVESTMENTS PTY. LTD., A COMPANY INCORPORATED IN WESTERN AUSTRALIA, OF 199 HIGH STREET, FREMANTLE, WESTERN AUSTRALIA COMMONWEALTH OF AUSTRALIA.

Inventor : ERIK MONTHIE HAUG, ERLING GRAN HAUG.

Application No. 895/Mas/84 filed 20 November 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

5 Claims

A building block of rectangular prismatic configuration wherein the first pair of opposite edges are each formed with a first tongue and a first groove of complementary configuration extending in parallel relationship along each edge wherein the first tongue of one edge is opposite the first groove of the other edge, each of said first pair of edges being formed with a land portion extending between the sides of said edge and the adjacent first tongue or groove, the height of said first tongue above said land portion being greater than the depth of the first groove below said land portion such that on a pair of blocks abutting whereby the first tongue of one edge is snugly received within the first groove of the other edge of another block, the opposing land portions of blocks are spaced from each other, the second pair of edges being formed whereby one edge has a second tongue extending along its edge and the portion of the one edge to each side of the second tongue being formed with raised land portions, and the other edge of said second pair of edges is formed with a second groove of complementary configuration to said second tongue wherein the height of the second tongue above the land portions is equal to the depth of the second groove.

Compl. specn. 10 pages.

Drgs. 2 sheets

CLASS : 163204

Int. Cl. : B 65 G - 67/48.

AN OPEN SIDED RAIL CAR TIPPLER.

Applicant : DRG (UK) LIMITED, A BRITISH COMPANY OF 1 REDCLIFFE STREET, BRISTOL, BS88 7QY, ENGLAND.

Inventor : PAUL JOHN DOWDEN.

Application No. 925/Mas/84 filed 27 November 1984.

Convention date 28th November 1983 No. 83.31736 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

12 Claims

An open-sided rail car tippler comprising a rail car platform disposed in a tipping structure comprising a main longitudinal beam mounted at its opposite ends on respective pivot mountings supporting the structure rotatably for tipping the platform with a rail car on it, said main beam transmitting the weight of the structure and rail car to said mountings, top clamping means on said structure for holding the rail car on the platform when tipped, said main beam carrying the top clamping means through pivot supports fixed to the main beam to define a clamping means pivot axis disposed above the axis of the main beam end pivot mountings when the tippler is at rest.

Compl. specn. 15 pages. Drgs. 3 sheets

CLASS : 163205

Int. Cl. : E 04 H 12/00.

A STRUCTURAL POLE WITH DIAGONAL INNER BRACING.

Applicant : TRI-STEEL INC., A CANADIAN COMPANY OF 1565 CABOT STREET, MONTREAL, QUEBEC H4E 1C8, CANADA.

Inventors : (1) STEVE LEGLER, (2) DONALD G. BOURDON.

Application No. 51/Mas/85 filed January 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A structural pole with diagonal inner bracing comprising a pair of upright metal channel members having an elongated flat outer wall with inwardly extending transverse structural flanges; said channel members being interconnectible in substantially parallel relationship, with their flanges extending inwardly, by a series of inner braces interconnected together and to said outer walls and spanning diagonally across said channel members and disposed in a predetermined pattern throughout the lengths of the channel members; each said diagonal brace being an elongated structural bar having flat angulated connecting ends having a through bore therein and securable to said channel members by overlapping said connecting ends of adjacent diagonal braces, and a fastener interconnecting each said overlapping connecting ends with said flat outer wall of said channels; said inner braces in at least a lower portion of said pole are interconnected diagonally across alternating sides of said channel members with an intermediate diagonal brace extending diagonally across opposed sides of the channel members and interconnected with the ends of the braces

on alternating sides of said channel members whereby said structural pole is resistant to eccentric loads.

Compl. specn. 11 pages.

Drgs 2 sheets

CLASS :

163206

Int. Cl. : F 16 K 3/02.

SHUT-OFF VALVE.

Applicant : KLINGER AG, OF BAARERSTRASSE 10, 6301 ZUG, SWITZERLAND.

Inventor : PETER WIRZ.

Application No. 56/Mas/85 dated, January 23rd 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A shut-off valve comprising a plunger piston having an axial pressure equalizing channel, which plunger piston cooperates with at least two annular seals of a soft material and a rectangular cross-section, the said two annular seals are located in the bore of the valve casing and are maintained at a mutual distance by means of a distance piece having radially extending openings, the plunger piston cooperates in its closed position blocking the valve thoroughfare with both said annular seals and cooperates in its open position with the upper annular seal only, the said two annular seals are axially compressible by means of a tube-shaped appendix of a valve upper part, the said appendix penetrates into said bore of the valve and the said valve upper part is displaceably mounted to said casing via an adjustable screw connector in which said tube-shaped appendix of said valve upper part is separately sealed against said bore of the valve.

Compl. specn. 10 pages.

Drg. 1 sheet

CLASS :

163207

Int. Cl. : B 21 C 37/08.

A TOOL FOR HEATING PIPE CONNECTOR SLEEVES.

Applicant : ANTEX (ELECTRONICS) LIMITED, OF 14, GREAT CASTLE STREET, LONDON, ENGLAND, A BRITISH COMPANY.

Inventors : KENNETH GRAY, ALBERT TUCKER.

Application No. 83/Mas/85 Dated 30th January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A tool for heating a pipe connector sleeve, in order to melt solder provided therein or applied thereto secure it to a pipe, comprising a pair of hingedly connected arms each of which, at one and the same end, has an electrically heatable element disposed in thermally conductive relation to a metal head part formed with a part-circular recess, the arms being movable between a position in which the part-circular recesses are spaced apart and a position in which the part circular recesses can be closed together around a pipe connector sleeve so as to apply heat thereto, characterised firstly in that each head part has a tubular shank by which it is detachably, slidably and exclusively supported from a shaft which contains a said electrically heatable element and secondly in that each part-circular recess is formed by an arcuate projection which is laterally offset from the free end of such tubular shank.

Compl. specn. 9 pages.

Drgs. 3 sheets

CLASS :

163208

Int. Cl. : A 47 F 1/00.

A STACKING GRATE.

Applicant & Inventor : PALANISAMY GOVINDASAMY,
22 POONDI THANGAMMAL STREET, NEW WASH-
MANPET, MADRAS-600 081, TAMIL NADU INDIA.

Application No. 843/Mas/1985 Dated October 25th 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A stacking grate comprising a plurality of spaced plastic rails for resting on the ground; a plurality of spaced plastic channels transversely supported on, and fixed to, the heads of the rails; and a plurality of spaced reinforced plastic pipes transversely passing through holes provided in the webs of the rails and firmly positioned with respect to the rails by pairs of plastic cups engaging with the pipes on the sides of the webs, each cup having an axial hole for receiving the corresponding pipe, the cup forming a thermal compressive fit with the pipe to firmly position the same with respect to the corresponding rail.

Compl. specn. 8 pages.

Drgs. 3 sheets

CLASS :

163209

Int. Cl. : A47J 47/02.

A CONTAINER

Applicant & Inventor : RIKHABCHAND PARASMAL JAIN, OF RAJSUKH INDUSTRIES, 2 IRON MONGER STREET, KONDITHOPE, MADRAS-600 079, TAMIL NADU.

Application No. 874/Mas/85 filed November 1, 1985.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A container comprising a vessel fitted with a lid, characterised by at least one hole provided on the side or base of the vessel or on the lid, the hole being surrounded by a recess; a resilient retaining member seated in the recess and adhesively bonded thereto, the member having a window aligned with the hole; a transparent or translucent plastic pane covering the window, the said pane all around its edge being tightly received in a narrow groove provided in the member and surrounding the window.

(Com. —5 pages; Drwgs. —1 sheet)

CLASS :

163210

Int. Cl. : F 02 M 37/00.

A FUEL LIFT PUMP FOR USE IN AUTOMOBILES.

Applicant : CARBURETTORS LIMITED, 118 MOUNT ROAD, MADRAS-600 002, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors : (1) SRINIVASAN GOVINDARAJAN, (2) SRIRANGAM KANNAIYAN SRINIVASAN AND (3) SWAMINATHAN KRISHNAMOORTHY.

Application No. 926/Mas/85 filed November 19, 1985.

Complete specification left on 1st January, 1986.

4—207 GI/88

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A fuel lift pump for use in automobiles comprising a pump body incorporating known means for producing suction and delivery pressures at the suction and delivery zones thereof, characterised by first and second bosses disposed on the body corresponding to, and located at, the suction and delivery zones thereof; inlet and outlet manifolds provided, respectively, on the first and second bosses, the inlet manifold having at least two fuel inlets of a predetermined spatial orientation, the said inlets being closed at their external extremities, and the outlet manifold having at least two fuel outlets of a predetermined spatial orientation, the said outlets being closed at their external extremities, the arrangement being such that the suction and delivery zones, respectively, have access internally to the said inlets and outlets, and the closed external extremity of each inlet and outlet is openable by boring a hole therethrough to receive a nipple for connection to a fuel line.

Provision Specification 5 pages

Drg. sheets 5.

Complete specification 7 pages

Drg. sheets, Nil

CLASS :

163211

Int. Cl. : B 63 B 21/24

163211

A MOTION COMPENSATOR FOR USE UNDERWATER IN A MOORING VESSEL TO AN UNDERWATER ANCHORAGE POINT.

Applicant & Inventor : ROBERT WALTER BREWERTON, A BRITISH SUBJECT OF 68 BETENSON AVENUE, SEVENOAKS, KENT, ENGLAND.

Int. Cl. : F 23 d 19/00.

Application No. 997/MAS/84 filed 17 December 1987.

Convention date 23rd December 1983 No. 8334384 (U.K.)

Appropriate Office for opposition proceedings (Rule 4,
Patents Rules 1972) Patent Office Branch, Madras-2.

7 Claims

A motion compensator for use underwater in a mooring of a vessel to an underwater anchorage point, comprising a pair of telescopically acting members for connection to the anchorage and to the vessel respectively, said telescopically acting members defining a variable gas containing volume such that movement of the members apart expands said volume and is resisted in use by a restoring force produced by expanding the gas containing volume against ambient water pressure at a substantial depth.

Complete Specification 48 pages and drawings. 6 sheets.

Class :—85 J [XXXI]

163212

Int. Class :— F 23 d—19/00

"FLUIDIZING BED COMBUSTION APPARATUS"

Applicant(s) : WILLIAM BENEDICT JOHNSON, AN AMERICAN CITIZEN, OF 522 LEWIS WHARF, BOSTON, MASSACHUSETTE 02110, UNITED STATES OF AMERICA.

Inventor(s) :—WILLIAM BENEDICT JOHNSON.

Application for Patent No. 894/DEL/1982 filed on 7th December 1982. Convention Application No. 8210209 filed on 6th April 1982 (U.K.).

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

Fluidized bed combustion apparatus having a combustion chamber adapted to provide a fluidized bed of particulate matter, including combustible fuel particles, generally supported on a support member adapted to permit introduction of a fluidizing gas medium into the particulate matter and an inlet for introducing at least fresh combustible fuel particles into the fluidized bed, heat exchange means above the fluidized bed, said heat exchange means including flow communicated up-flow and down-flow portions for permitting circulation of particulate matter from the fluidized bed, through said heat exchange means and back into the fluidized bed, said down flow portion including a discharge outlet adapted to direct any circulating particulate matter travelling downwardly through said down-flow portion in a substantially horizontal direction over the fluidized bed; and withdrawal means for withdrawing some of the particulate matter from the fluidized bed and introducing withdrawn particulate matter into said up-flow portion of said heat exchange means, said withdrawal means being laterally offset from said discharge outlet so as not to be located directly below said discharge outlet, such that particulate matter leaving said discharge outlet is substantially unaffected by any withdrawal forces generated by said withdrawal means and is permitted to exert a circulatory influence on the fluidized bed.

Compl. Specn. 19 pages.

Drgs. 3 sheets.

CLASS : 163213

Int. Cl. : F 41 H 3/00.

"THERMAL AND OPTICAL CAMOUFLAGE".

Applicant : DIAB BARRACUDA AB, A SWEDISH BODY CORPORATE, OF BOX 160, S-59400 GAMLEBY, SWEDEN.

Inventor : LARS JOHANSSON.

Application for Patent No. 227/Del/1984 filed on 13th March, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

10 Claims

Thermal and optical camouflage consisting of a film having a camouflage-coloured surface and being leafcut and extendable by stretching into a three-dimensional foliage with a covering capacity of 50—90%, characterized in that the film includes a reflecting metal layer such as herein described covered on both sides by camouflage coloured plastics, and in that the plastics material at least partially comprises polyethylene or polypropylene.

Compl. specn. 11 pages.

Drgs. 4 sheets.

CLASS : 163214

Int. Cl. : F 41 H 3/00.

"RADAR CAMOUFLAGE FOIL".

Applicant : DIAB BARRASUDA AB, A SWEDISH BODY CORPORATE, OF BOX 160, S-59400 GAMLEBY, SWEDEN.

Inventor : LARS KARLSSON.

Application for Patent No. 286/Del/84 filed on 31st March, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A radar camouflage foil comprising a woven fabric of the kind herein described and a plastics layer of the kind herein described laminated thereon, characterized by the combination that the fabric incorporates any known electrically conductive fibres which have a diameter less than 20 μ m; and

in that between said plastics layer and said fabric there is a thin metallic layer which has been crinkled during lamination of said plastics layer onto said fabric.

Compl. specn. 5 pages.

Drg. 1 sheet

CLASS : 70 C₄ & 130 G.

163215

Int. Cl. : C 22 b 15/14 & C 22 d 1/16.

"METHOD FOR THE ELECTROLYTIC REFINING OF COPPER USING THIOUREA AS ADDITION AGENT".

Applicant : ASARCO INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, U. S. A. OF 120 BROADWAY, NEW YORK, STATE OF NEW YORK, U.S.A.

Inventors : MARTIN GOFFMAN & THOMAS LAWRENCE JORDAN.

Application for Patent No. 413/Del/84 filed on 17th May, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A method for the electrolytic refining of copper which comprises feeding an electrolyte comprising an aqueous solution of H₂SO₄ and CuSO₄ alongwith thiourea as addition agent at the inlet of a container, refining copper in said container by electrolysis and discharging the used electrolyte at the outlet of the container, characterised in that the amount of thiourea added at the inlet is an amount of from 800—500 ppb to maintain the concentration of thiourea at the outlet at a value of about 100 ppb.

Compl. specn. 15 pages.

Drgs. 2 sheets

CLASS : 32 f₂ (b).

163216

Int. Cl. : C 07 d 27/04.

"A PROCESS FOR THE PREPARATION OF SUBSTITUTED (1-METHYL-2-PYRROLIDINYLIDENE) SULFAMIDES".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJ MARG, NEW DELHI-110001, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

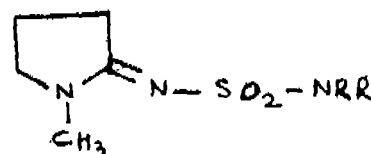
Inventor : KAKULAPATI RAMA RAO, YADAVALLI VENKATA DURGA NAGESWAR, PRAKASH VAMAN-RAO DIWAN, ADARI BHASKAR RAO, PRALHAD VAMANRAO SATTUR, GOPALAKRISHNA JYAGAJAN.

Application for Patent No. 635/Del/1984 filed on 7th August, 1984.

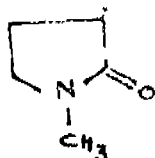
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

A process for the preparation of compounds represented by the general structure (I).



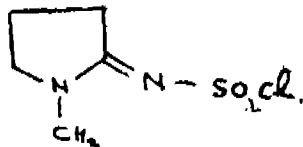
wherein N-R-R' represents amino, aralkylamino having alkyl or alkoxy groups ranging from C₁ to C₄ carbon atoms straight or branched or benzene sulfonamido, morpholino, piperidino, substituted piperazino, pyrrolidino, 2-aminopyrrolidino, guanidino groups which comprises reacting 1-methyl-2-pyrrolidone of the formula (II)



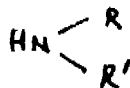
with chlorosulfonyl isocyanate of the formula (III)



using equimolar proportions, employing non-hydroxylic solvents such as benzene, toluene or chlorinated hydrocarbons such as methylenechloride, chloroform or ethers such as diethyl ether, dioxane at a temperature below 40°C to produce 2-(chlorosulfonylimino)-1-methylpyrrolidine represented by the formula (IV)



which is further reacted with a compound represented by the general formula (V)



wherein-NRR' is as defined above.

Compl. specn. 8 pages.

Org. 1 sheet

Class : 144E₁.

153217

Int. Class⁴ : C09D 3/393.

"WATER DILUTABLE AQUEOUS COATING COMPOSITIONS".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., a British Company, of Imperial Chemical House, Millbank, London SW1P 3JF, England.

Inventors : PETER FRANCIS NICKS & GILLIAN ANNE YOUNG.

Application for patent no. 659/1984 filed on 14th August, 1984.

Convention date 30th April, 1983/8323241/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(6 claims)

A water-dilutable aqueous coating composition comprises

- (A) a water-dispersible film-forming polymer of molecular weight in the range 2,000-30,000 the polymer comprising
- (a) anionisable groups, at least partially neutralised with a base when required, selected from -COOH, -SO₃H and -PO₄H₂, or cationisable groups, at least partially neutralised with an acid when required, of structure N-R¹R², where R¹ and R² are H or C₁-18 alkyl or substituted alkyl groups, the same or different, or R¹ and R² represent part of a cyclic structure,
 - and (b) non-ionisable water-soluble moieties selected from moieties of polyethylene glycol or its monoethers of molecular weight not greater than 1,000 and moieties of poly(meth)acrylamide, of polyvinylpyrrolidone or of poly 2-ethyl oxazoline and its hydrolysates, all being of molecular weight not greater than 2,000;

and

- (B) water, whereby when a solution of water-dispersible polymer in water is progressively diluted with water, there is no increase in viscosity of the diluted aqueous solution as measured at 25°C by a low shear viscometer.

(Complete specification 25 pages

Drawing 1 sheet

CLASS : 32F₁ & 3 (b).

163218

Int. Cl. : C 07 c 63/52.

"AN IMPROVED PROCESS FOR THE PREPARATION OF 2-ARYLALIPHATIC ACIDS".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

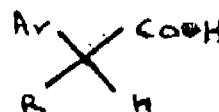
Inventors : NAGENDRA PRATAP SINGH, PURNIMA PANDE, ARVIND KUMAR & KANTI PRAKASH AGARWAL.

Application for Patent No. 960/Del/84 filed on 26th December, 1984.

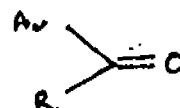
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

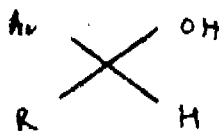
A process for the preparation of 2-aryl aliphatic acids of the general formula 5



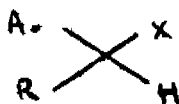
wherein R represents normal, iso, or tertiary alkyl groups containing 1-15 carbon atoms, Ar represents normal, iso or tertiary alkyl phenyl, O, m, p, substituted alkoxy phenyls O, m, p, substituted halonaphthyls, naphthyls, methoxy naphthyls, halonaphthyls, acridyls, imidazolyls, benzimidazolyls, which comprises, reducing the aryl alkyl ketones of the formula 1



by known methods to 2-aryl-aliphatic alcohols of the formula 2



covering by known methods the alcohols to the corresponding compound of the formula 3



where Ar, and R have the meanings given above and X represents halides, tosylates or mesylates and treating the compound of the formula 3 with a metal nitrile followed by hydrolysing the product formed by methods known *per se*.

Provisional specn. 11 pages.

Drg. 1 sheet

Compl. specn. 21 pages.

Drg. 1 sheet

CLASS :

163219

Int. Class⁴ : C22B 13/00.

"AN IMPROVED PROCESS FOR ELECTROLYTIC PRODUCTION OF LEAD".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : TONDEPU SUBBAIAH, SARAT CHANDRA DAS, PARVAT KUMAR SAHOO, RADHA NATH PRASAD DAS & PRAFULLA KUMAR JENA.

Application for patent no. 961/Del/84 filed on 26th December, 1984.

Complete specification left on 17th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(9 claims)

An improved process for electrolytic production of lead which comprises depositing lead from an electrolyte bath containing lead chloride characterised in that the electrolyte contains sodium chloride, additive(s) selected from glue and β naphthol or their mixture, the cathode being pure lead sheet, the anode being insoluble graphite, the concentration of the additive(s) ranging from 0.005 to 4 g/l, the electrolysis being effected at a pH in the range of 0.05 to 1.5 and at a current density in the range of 25 A/m² to 200 A/m².

(Provisional specification 4 pages).

Complete specification 10 pages).

CLASS :

163220

Int. Cl.⁴ : D 21 B 1/00, B 02 C 18/00.

"IMPROVED PAPER SHREDDING MACHINE".

Applicant : UNITEK COPIERS PVT. LTD., L-38 CONNAUGHT CIRCUS, NEW DELHI-110001.

Inventors : RAVINDER KUMAR SHARMA & BHARAT PARKASH CHOPRA.

Application for Patent No. 558/Del/85 filed on 17th Jul 1985.

Complete specification left on 25th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved paper shredding machine which consists of two rotary cutter assemblies, each said assembly consisting of a plurality of circular deep milled cutters and a plurality of spacers mounted in an alternate sequence on a rotatable shaft, the said shafts being rotated by an electric motor connected to electric supply mains and mounted close to each other to leave a clearance in between them sufficient for the passage of the paper to be shredded.

Provisional specification 5 pages.

Compl. specn. 9 pages.

Drg. 1 sheet

CLASS :

163221

Int. Cl.⁴ : E 23 C 11/02.

"FLUIDIZED BED COMBUSTION APPARATUS".

Applicant & Inventor : WILLIAM BENEDICT JOHN-SON, AN AMERICAN CITIZEN, OF 522 LEWIS WHARF, BOSTON, MASSACHUSETTS 02110, UNITED STATES OF AMERICA.

Application for Patent No. 800/Del/85 filed on 30th September, 1985.

Ante-dated to 7th December, 1982.

Convention date 6th April, 1982/8210209/(U.K.).

Divided out of Patent Application No. 894/Del/82 filed on 7th December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

Fluidized bed combustion apparatus having a combustion chamber adapted to provide a fluidized bed of particulate matter, including combustible fuel particles, supported on a support member adapted to permit introduction of a fluidizing gas medium into the particulate matter, an inlet opening into said combustion chamber for introducing at least fresh combustible fuel particles into the fluidized bed, a plurality of relatively dense bead form particles made of a substantially inert material and dispersed throughout the fluidized bed to act as a grinding agent to partially reacted particulate matter in the bed, and withdrawal means comprising an aperture which opens into said combustion chamber and through which is withdrawn from the fluidized bed some of said fuel particles and dispersed dense particles, for circulation through heat exchange means which is in communication with said aperture and for subsequent return to the combustion chamber through a discharge outlet which is in communication with said heat exchange means and which opens to said combustion chamber, said discharge outlet extending widthwise of a wall of the combustion chamber and said aperture being offset beyond a widthwise end of said discharge outlet and being disposed below said discharge outlet.

Compl. specn. 19 pages.

Drgs. 3 sheets

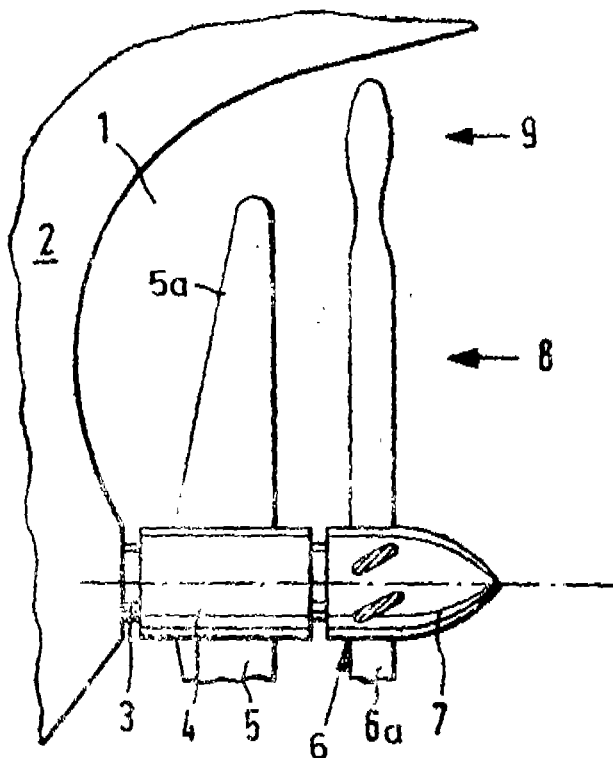


FIG.1

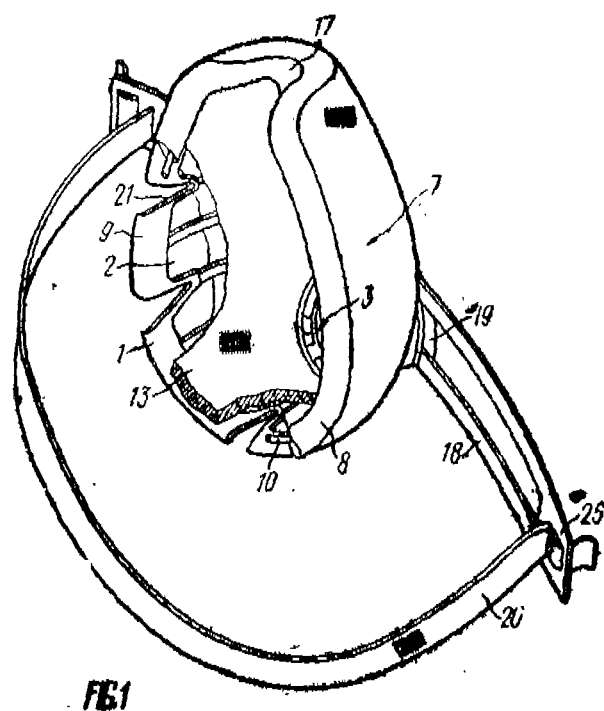


FIG.1

R. A. ACHARYA
Controller General of Patents,
Designs and Trade Marks

